

# **FTD**

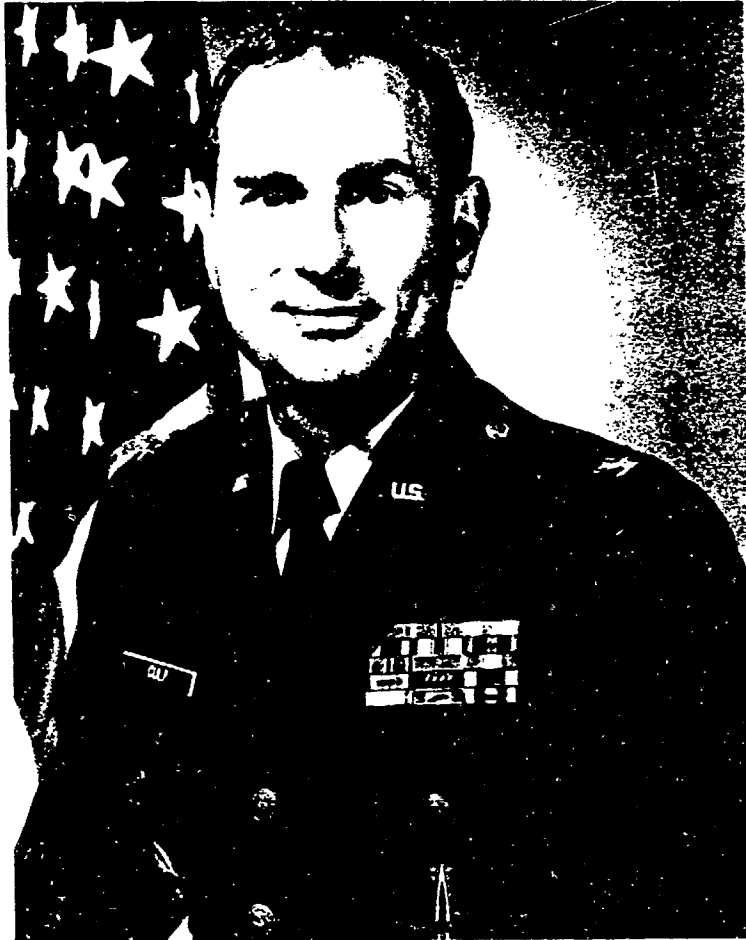
## **MISSION**

## **ORGANIZATION**

## **KEY PERSONNEL**

**DECEMBER 1986**

**WRIGHT-PATTERSON AFB, OHIO**



This Mission, Organization and Key Personnel pamphlet provides an overview of the FTD organization structure and key members of our staff who are responsible for assessing the aerospace technological threat to the United States. It also introduces the mission, products, and services of our Directorates and Divisions.

I hope this information will help you better understand our important mission and service to the Air Force, Air Force Systems Command, and the intelligence community.

GARY CULP, Colonel, USAF  
Commander

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## **EXPLANATION OF USE AND FORMAT**

The Foreign Technology Division Organization, Mission, and Key Personnel pamphlet is published to familiarize you with not only our general mission, but the product and services we provide. The following example explains the functional diagrams contained in the pamphlet.

<b>OFFICE TITLE (SYMBOL)</b>	
Key Individual	
Building/Room	Telephone Number

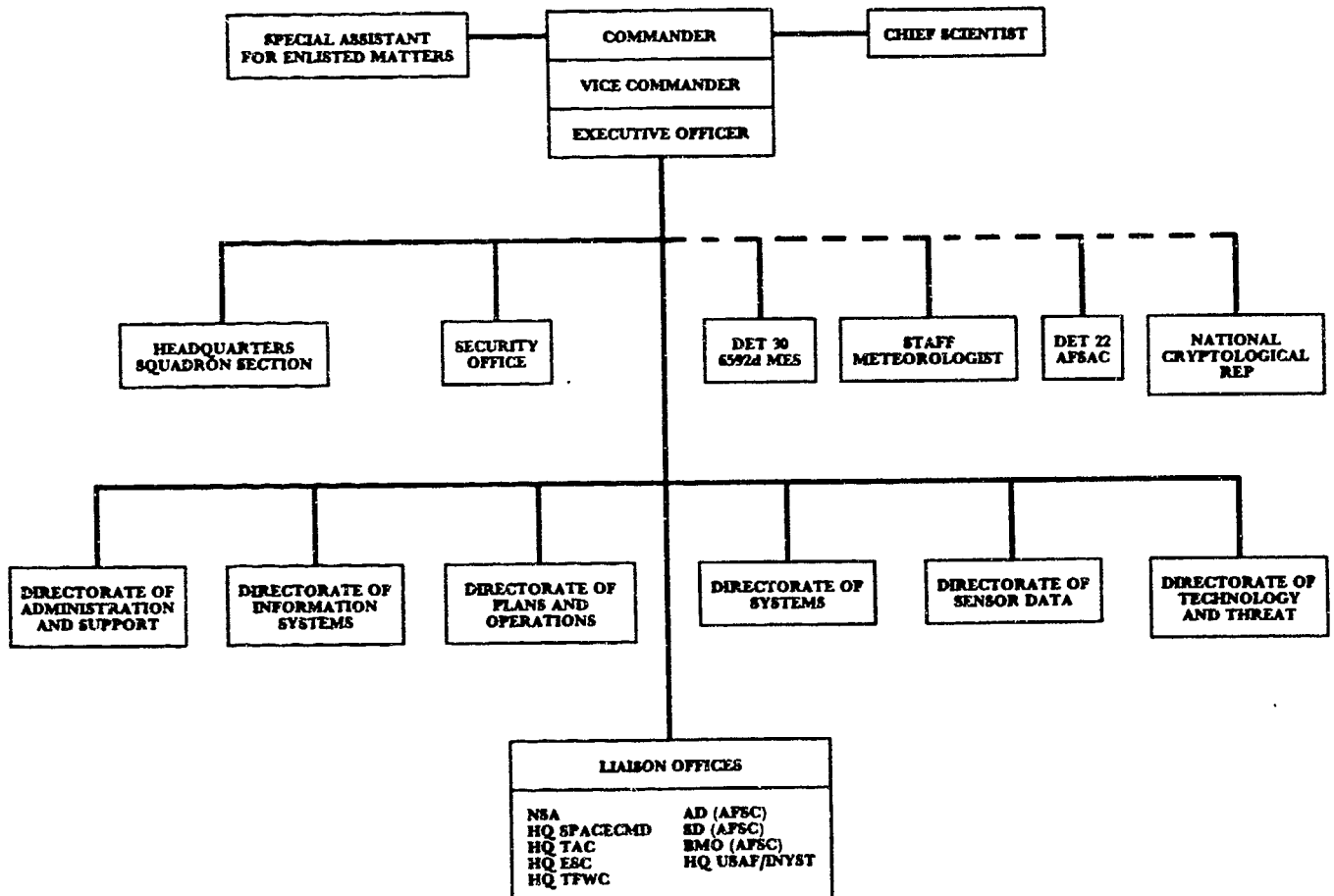
# THE FOREIGN TECHNOLOGY DIVISION

## MISSION

Acquire, collect, analyze, produce, and disseminate foreign aerospace scientific and technical (S&T) intelligence. Conduct an integrated analysis program to meet the intelligence production requirements of the USAF Systems Command, the AF Assistant Chief of Staff, Intelligence, and the Defense Intelligence Agency. Provide finished S&T intelligence to the operational commands of the USAF and JCS.

Operate an S&T intelligence data handling system and collaborate with other organizations to improve the collection, acquisition, and use of foreign technology and technical intelligence.

Develop and maintain the highest attainable level of knowledge concerning current and projected foreign aerospace technology trends and capabilities. Determine their impact on performance capabilities, limitations and vulnerabilities of current and future foreign weapon systems and equipment to preclude technological surprise to the United States, support US research and development, and respond to the needs of operational forces.



## OFFICE OF THE COMMANDER

### FUNCTIONS

**Vice Commander (CV):** Serves as principal assistant and advisor to the Commander in the formulation of policies, plans and directives. Represents the Commander as the organizational IG; OPR for Congressional matters; Chairperson, Unit Advisory Council; and Senior Intelligence Officer.

**Chief Scientist (CCN):** Advises the Commander on the scientific and technical efficiency of plans and programs. Administers the FTD Quality Assurance Program. Represents the Commander on scientific and technical boards and committees. Serves as the FTD representative for Air Force Scientific Advisory Affairs.

**Executive Officer (CCE):** Provides executive and administrative support to the Command elements. Plans, coordinates and maintains staff control over activities concerned with protocol and distinguished visitor arrangements. Provides historical services. Monitors and schedules all FTD Conference Rooms.

**Special Assistant for Enlisted Matters (CMS):** Maintains liaison between the Commander and the enlisted force. Advises the Commander on

problems, morale, and attitudes. Monitors compliance with Air Force appearance, conduct, and performance standards. Represents the enlisted force.

**Detachments:** Serve as field extensions to HQ FTD in the European and Pacific areas by acquiring, assessing and reporting on foreign aerospace scientific and technical information and providing liaison assistance and technical collection support to the USAFE/PACAF Headquarters, other USAF activities, and other agencies.

**Liaison Offices:** Provide an interface between their assigned major commands/other agencies and FTD by effecting a mutual exchange of the expertise available at the various locations.

**HQ Squadron Section (CCQ):** Maintains military control over enlisted personnel assigned or attached to HQ FTD. Advises on military personnel problems and procedures of concern to the Commander and FTD military supervisors. Maintains an OJT program as outlined in AFM 50-23.

<b>COMMANDER (CC)</b> 856/C201	
<b>COMMANDER</b> Col G. Culp	76400
<b>VICE COMMANDER</b> Col G. A. Smith	73909
<b>CHIEF SCIENTIST</b> Vacant	73906
<b>EXECUTIVE OFFICER</b> Maj W. R. Fries	73910
<b>EXECUTIVE SERVICES</b> Ms L. E. Armstrong	77523
<b>PROTOCOL OFFICE</b> Miss B. J. Bush	73005
<b>HISTORICAL OFFICE</b> Mr. B. B. Stacy	76487
<b>SPECIAL ASSISTANT FOR ENLISTED MATTERS</b> CMSgt J. Mullins	72C36
<b>HEADQUARTERS SQUADRON</b>	
<b>COMMANDER</b> Capt W. Guido	76551
<b>FIRST SERGEANT</b> SMSgt R. Tool	76551

## **DETACHED FTD OFFICES**

### **LIAISON OFFICERS**

NSA Capt K. I. Parker	AUTOVON 235-8763
HQ USAF/INYST Capt W. L. Shelton	AUTOVON 225-1358
HQ SAC Capt H. Semjonovs	AUTOVON 271-4574
US SPACECOM Capt J. B. Holstun	AUTOVON 834-1211 ext 3068
HQ TAC Lt Col B. A. Miller	AUTOVON 574-5303
HQ ESC Capt W. Koozin	AUTOVON 945-2645
HQ TFWC Capt E. Watkins	AUTOVON 282-3688 682-5071
AD (AFSC) Vacant	AUTOVON 872-3905
SD (AFSC) Capt G. Playle	AUTOVON 833-0135
BMO (AFSC) Capt A. D. Hebb	AUTOVON 876-4275

### **DETACHMENT 3**

Commander Col D. E. Clark	314-339-3628/6229
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### **DETACHMENT 4**

Commander Col W. K. Sung	315-248-1101 ext 57209
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## DIRECTORATE OF ADMINISTRATION AND SUPPORT (SU)

### MISSION

Manages support functions, including administration, logistics, facilities planning and maintenance, personnel resources, training, reprographics and inspections.

### PRODUCTS AND SERVICES PROVIDED

Directs facilities planning, military construction and modification programs.

Manages the budget and financial for support services.

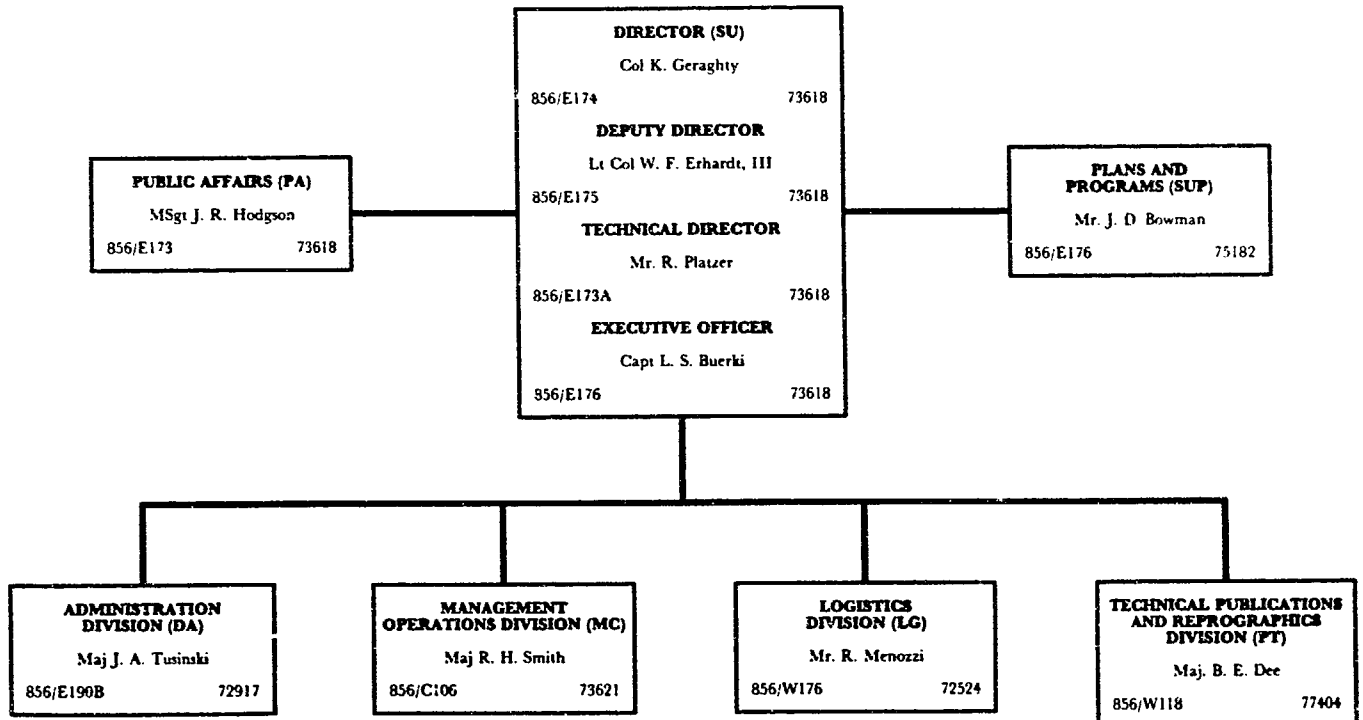
Directs supply, transportation, maintenance, and safety programs.

Directs the reproduction of finished intelligence products and the production of briefing products.

Directs administration programs and policies.

Directs and manages the self-inspection program and interfaces with higher headquarters on inspection activities.

Directs the Public Affairs program.





## MANAGEMENT OPERATIONS DIVISION (MC)

### MISSION

Manages personnel resources and establishes policies and procedures for administering FTD's personnel resource programs.

### PRODUCTS AND SERVICES PROVIDED

Insures adequate personnel manning to meet mission requirements.

Administer the Position Management Program.

Provides staff liaison with the Civilian Personnel Office of Aeronautical Systems Division and provides staff advice and guidance on civilian resource programs, plans, and procedures.

Provides special staff liaison with the Consolidated Base Personnel Office of the 2750th Air Base Wing and provides staff advice and guidance on military resource programs, plans, and procedures.

Manages the awards and decorations program.

Monitors the suggestion program. Develops, maintains, and presents Newcomers' and Family Orientations.

Manages military and civilian education and training programs with the exception of OJT.

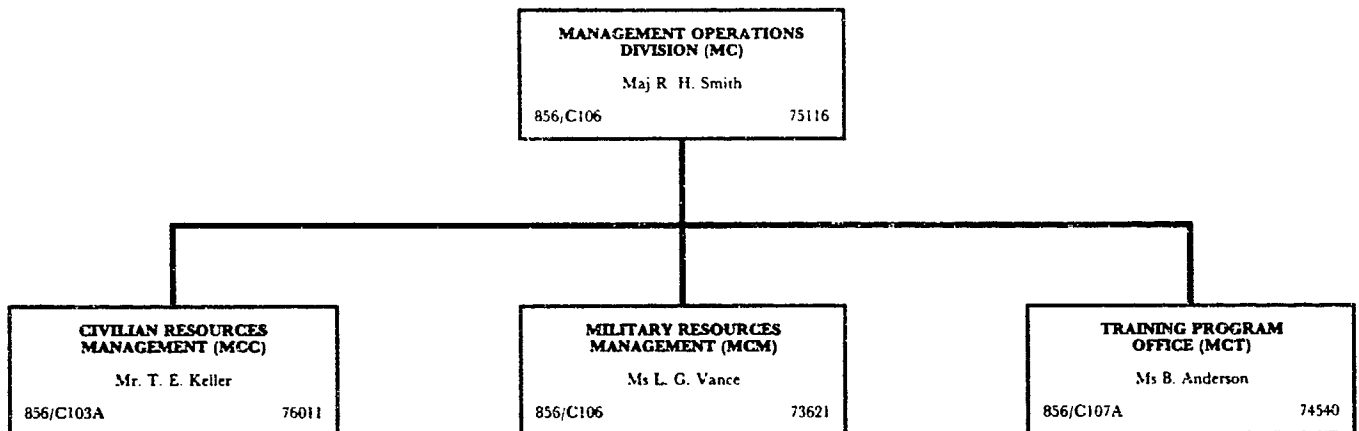
Administers the Intelligence Career Development Program (ICDP) and Civilian Executive Development Programs.

Manages the Reserve Individual Mobilization Augmentee Program.

Administers the Equal Employment Opportunity Program.

Manages the Learning Center.

Manages Warrior Program.



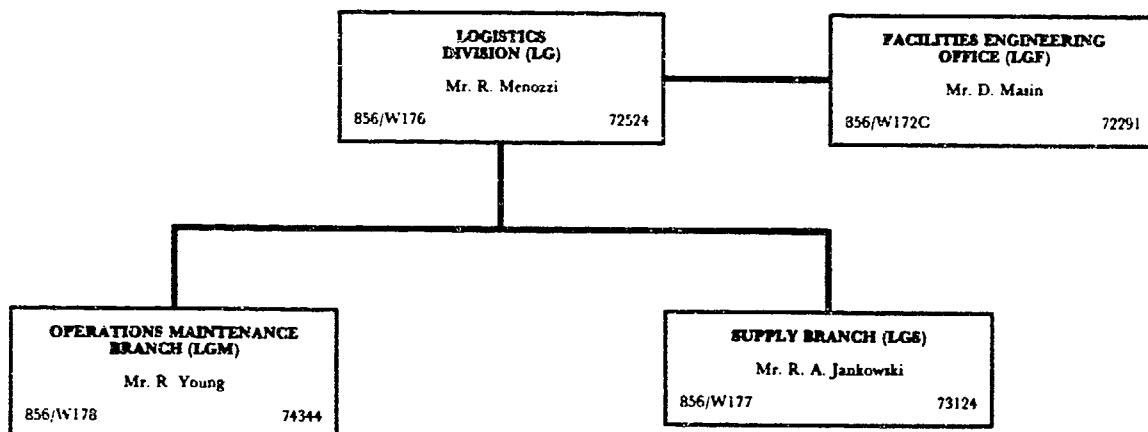
## LOGISTICS DIVISION (LG)

### MISSION

Manages logistics programs authorized under Host-Tenancy agreements. Manages FTD vehicles. Manages military construction programs and minor construction programs. Monitors the use of equipment and logistical resources. Responsible for supply and equipment acquisition, accountability and discipline. Manages maintenance and repair of real property.

### PRODUCTS AND SERVICES PROVIDED

- Directs the maintenance and repair of real property.
- Manages the equipment and supply program to include funding, acquisition, receipt inventory, disposition and storage, and disposal.
- Acts as liaison between FTD and WPAFB Host services for supply, maintenance service, and equipment support.
- Manages equipment rental, maintenance, and miscellaneous contract services.
- Manages custodial services.
- Provides transportation support for supplies and equipment (domestic and foreign material).
- Manages the safety and energy conservation programs.
- Provides classified material destruction and precious metal recovery service.
- Provides emergency facilities maintenance and repair services.
- Directs facilities planning, military construction, modification programs, and equipment installation.
- Manages the budget and financial programs for supplies, equipment, facilities modification, and facilities maintenance.



## TECHNICAL PUBLICATIONS AND REPROGRAPHICS DIVISION (PT)

### MISSION

Provides production support for scientific and technical intelligence publications and other communication products.

### PRODUCTS AND SERVICES PROVIDED

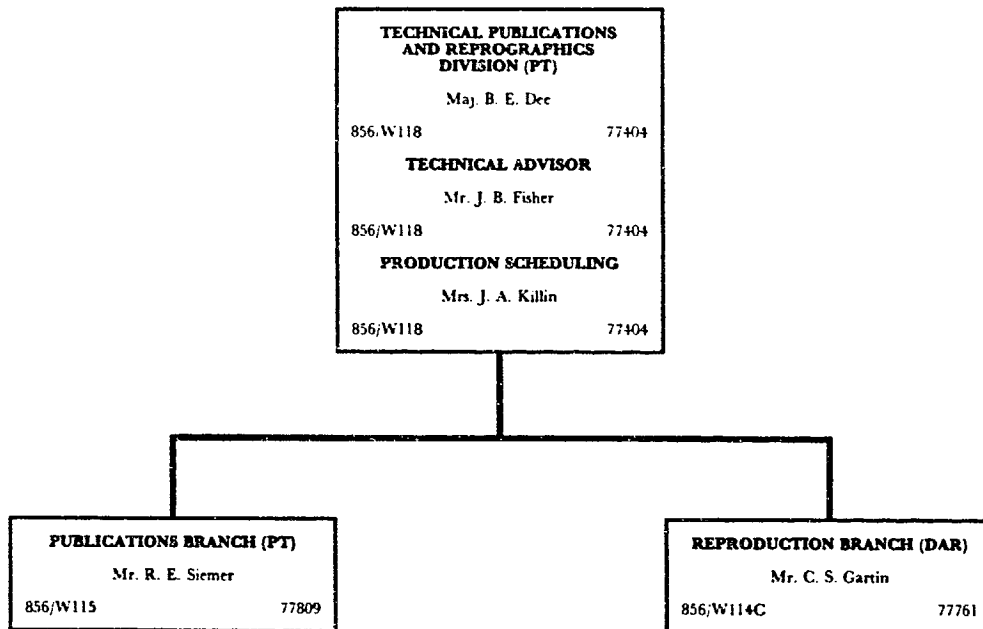
Provides art, editorial, typographic, composition and printing support for DIA tasked products, departmental studies, and Technical Intelligence Bulletins.

Provides lithographic, printing, and bindery services for intelligence and administrative reproduction requirements.

Provides micrographic support for technical translations, CIRC, document dissemination, and file reduction programs.

Monitors the budget for procurement and the use of office copiers and viewer/printers.

Provides administrative graphic art support.



# DIRECTORATE OF INFORMATION SYSTEMS (SI)

## MISSION

Provides data and information processing to all users in support of mission accomplishment. Directs the design, development, acquisition, operation and maintenance of all data and information processing systems.

## PRODUCTS AND SERVICES PROVIDED

Develops, implements and operates translation services.

Manages the statistical support and administration of external assistance contracts.

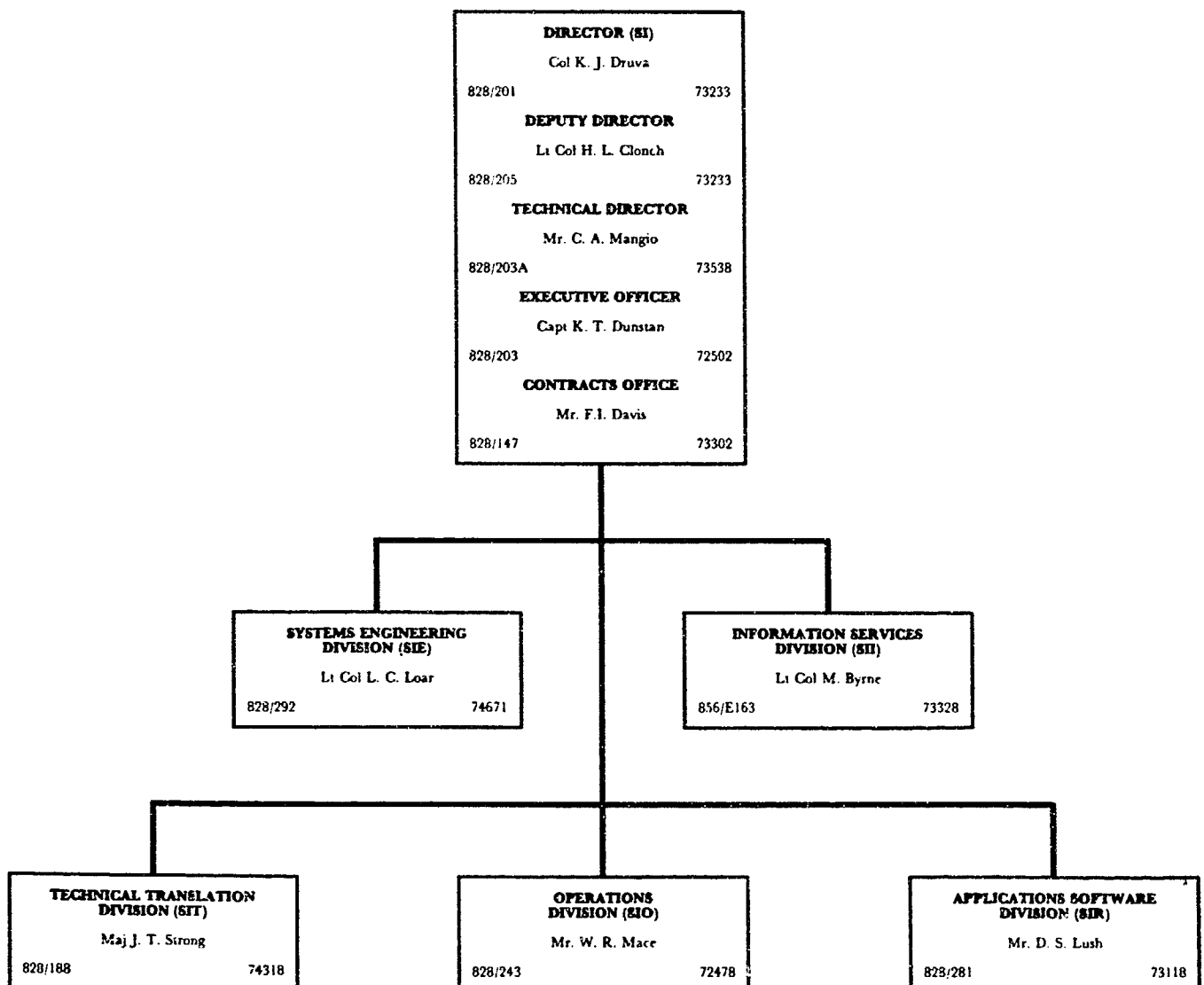
Acquires, operates and maintains automatic data processing (ADP) resources.

Monitors, controls and approves reports under the Information Requirement Management Control Program (IRMCO).

Provides for the design, development and acquisition of computational and analytical services.

Provides for the acquisition, dissemination, storage and retrieval of scientific and technical (S&T) intelligence information.

Directs planning, programming, procurement and maintenance for communications-electronics systems.



## SYSTEMS ENGINEERING DIVISION (SIE)

### MISSION

Provides the focus for management of ADP planning and acquisition. Projects need for future acquisitions based on anticipated growth and usage, and interacts with users to determine requirements. Provides support to Information Support System (ISS) users by managing ISS training, documentation and problem resolution. Justifies new software requirements and recommends procurement strategies. Provides data base services and serves as Data Base Administrator for all FTD corporate data bases. Serves as the focal point for FTD's Information Requirements Management (IRM) program.

### PRODUCTS AND SERVICES PROVIDED

Provides overall data base system management for FTD's corporate data base, including requirement analysis, input capabilities, product generation, and user training.

Manages the development of information models and data base structures.

Provides support for general purpose program products on the Information Support System.

Provides documentation, training, and consultation on end-user software tools, office automation systems, and the ISS computing system.

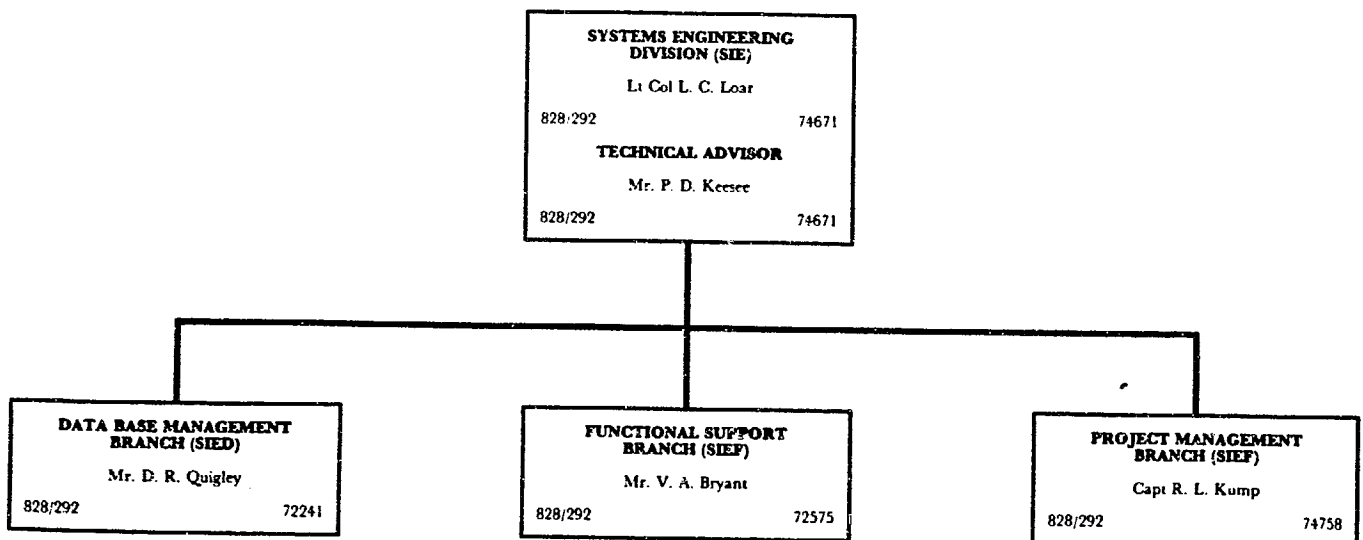
Focal point for problem reporting and small computing support.

Provides assistance to all users of FTD Intelligent terminals and Office Automation terminals.

Plans, designs, develops and manages the acquisition and implementation of data processing hardware and software to support all facets of FTD intelligence production activities.

Directs feasibility studies evaluating proposed solutions to meet defined requirements.

Formulates acquisition plans and design approaches for implementing new systems.



## INFORMATION SERVICES DIVISION (SII)

### MISSION

Provides FTD and selected DoD S&T activities with information support to include the acquisition, storage, and dissemination of scientific and technical intelligence information and products. Provides information research and retrieval services for analysts. Supports the DoD Central Information Reference and Control (CIRC) S&T intelligence data base. Manages the Scientific and Technical Intelligence Information Services Program (STIISP) open-source S&T literature exploitation effort to include the acquisition of material and its input into CIRC. Provides distribution of electrical messages.

### PRODUCTS AND SERVICES PROVIDED

Solicits and establishes standing intelligence document requirements for FTD and other AFSC divisions.

Acquires other intelligence and open-source materials necessary to support specific analyst requests.

Processes and disseminates incoming intelligence products and provides for distribution of electrical messages.

Selects and processes S&T intelligence material into the CIRC data base.

Exercises overall tasking, provides selection criteria, and implements quality assurance procedures for external contractors acquiring open-source S&T literature and processing such literature for input into CIRC.

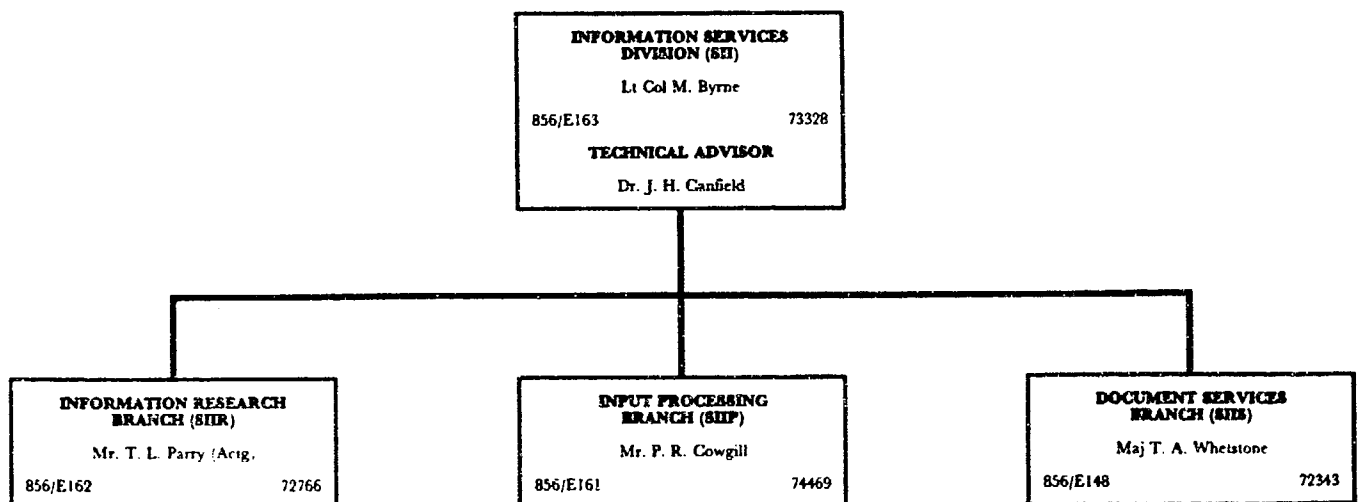
Publishes guidance on CIRC selection, input and retrieval procedures for other CIRC participants and supporting contractors.

Prepares dissemination lists for finished intelligence products.

Maintains open-source and intelligence libraries containing basic standard references, commonly used open-source S&T journals and other publications, finished intelligence documents, intelligence messages, MC & G products, and other miscellaneous materials.

Constructs, maintains, and disseminates current awareness profiles for FTD analysts to insure they are advised of the latest information in CIRC pertaining to their specific areas of interest.

Conducts in-depth information research and retrieval using CIRC and other data bases to satisfy specific areas of interest.



## OPERATIONS DIVISION (SIO)

### MISSION

Provides for the installation, operation and maintenance of all general purpose computer systems and for designated special purpose computer systems and for the ADP Equipment Control Function. Provides the communications-electronics support function. Provides for the procurement of ADP equipment software and services. Develops, installs, evaluates, modifies, and/or maintains operating system software. Provides expertise and consultation to all activities which require inputs relating to system software matters. Accomplishes the maintenance, query, and dissemination of products of automated intelligence information systems.

### PRODUCTS AND SERVICES PROVIDED

Installs, supports and services all operating systems software to include executive monitors, compilers, assemblers, loaders, and general purpose software products.

Provides recommendations for hardware system configurations to support user requirements and participates in software design reviews.

Initiates procurement action to acquire ADP Systems and services, and maintains ADPE inventory.

Provides and consults for ADPE site planning and provides for ADP equipment installation, operation and maintenance.

Directs the planning, programming, procurement, maintenance and security for communications-electronics systems.

Conducts operating system tests and certifications for ADP procurements.

Receives, prepares, and submits input data for computer processing in support of intelligence information handling systems and data bases.

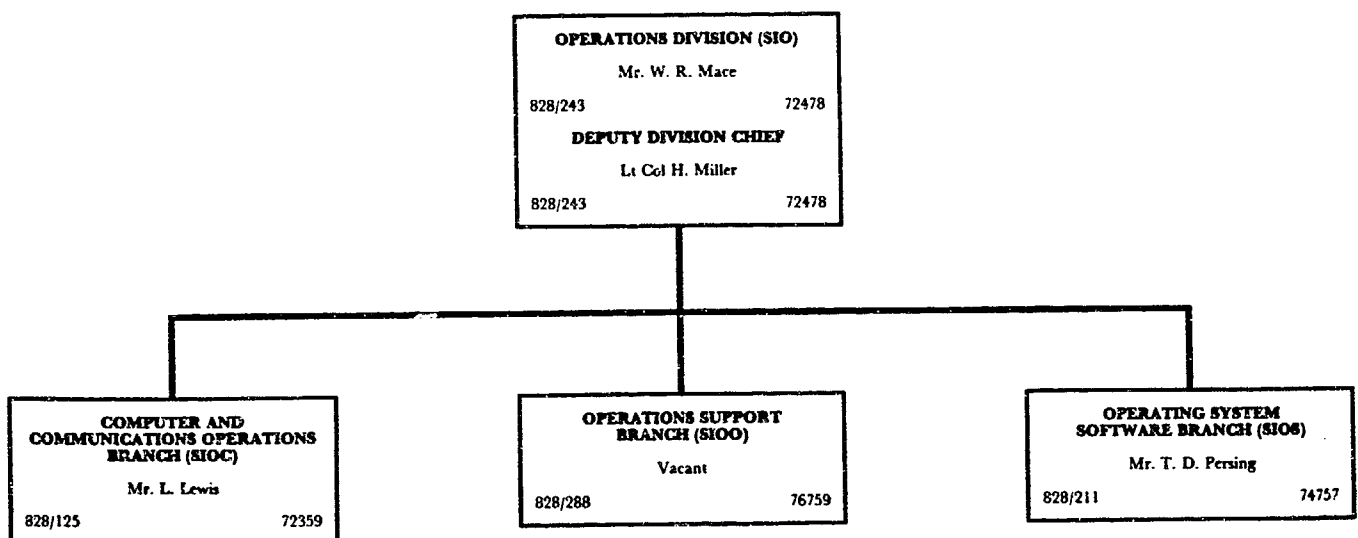
Controls the management, maintenance and modification of intelligence information data bases.

Manages retrospective retrieval and query functions to satisfy users of the systems.

Monitors of on-line data base systems.

Manages, maintains, and operates an inventory of microfiche documents referenced in automated information systems.

Receives, controls, and disseminates collateral and compartmented computer data base retrieval products. Receives and prepares messages traffic for dispatch.



## APPLICATIONS SOFTWARE DIVISION (SIR)

### MISSION

Provides for the acquisition, development, implementation and maintenance of application software and techniques required to support analytic processes and automated information handling requirements.

### PRODUCTS AND SERVICES PROVIDED

Develops, implements and maintains application software for all organizations who need assistance.

Implements, maintains and updates contractor supplied software.

Acquires, implements, maintains and updates commercially acquired data base management systems.

Converts, to the FTD computers, software received from other organizations.

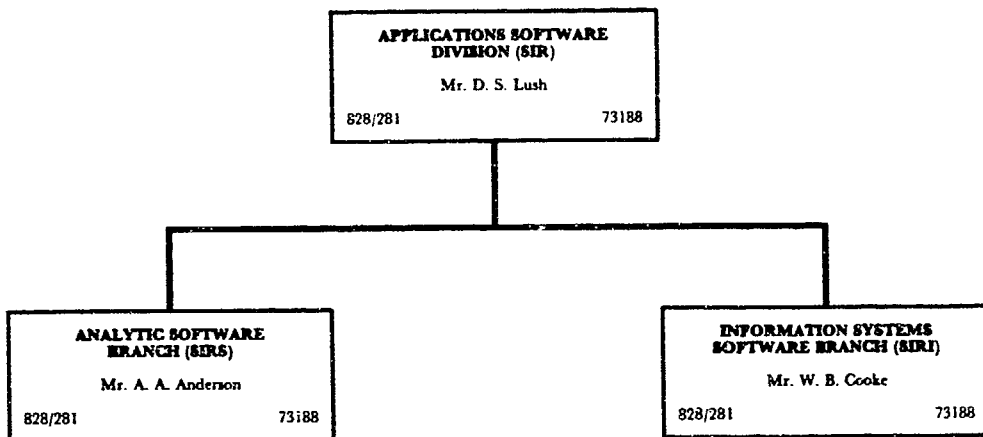
Acquires, develops, implements and maintains a generalized graphical/plotting library for all computer users.

Provides consultation services in the areas of mathematics, data base development, software development, etc.

Assists in the review of contract specifications which involve software development.

Provides education and information on the use of applications software, data base management software, graphics library, mathematical and statistical library, etc.

Acquires, develops, implements and maintains a generalized mathematical and statistical software library for all computer users.





## TECHNICAL TRANSLATION DIVISION (SIT)

### MISSION

Accomplishes the translation of scientific and technical material in various languages using machine translation (MT) systems and manual translation. Russian-to-English and French-to-English MT systems are operational, and German-to-English and Japanese-to-English systems are under development. Maintains liaison with the scientific and linguistic community in MT research and development activities.

### PRODUCTS AND SERVICES PROVIDED

Provides machine translations of Soviet documents for FTD and DoD requesters.

Provides manually accomplished translations of Russian and other foreign language documents,

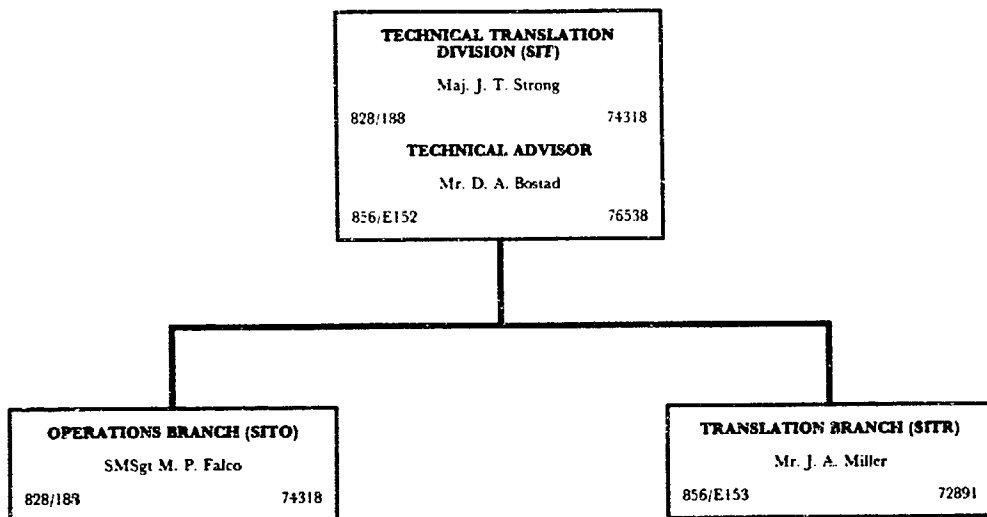
Provides on-the-spot oral translation for in-house requesters.

Performs continuous evaluation, lexicography, and system-update functions to support the MT systems.

Provides translations for inclusion in studies, analysis and estimates which are made in response to DoD, DIA, AF, AFSC, and FTD tasks.

Acts as a clearing house for modifications to the Russian-English system used by other government agencies.

Provides machine translation of Soviet Patents for entry into CIRC II.



## DIRECTORATE OF PLANS AND OPERATIONS (XO)

### MISSION

Directs FTD planning, programming and budgeting; the management of intelligence collection requirements and requirements systems; the administration of FTD external relationships to include foreign disclosure and detachment/liaison affairs; the management of current intelligence and watch functions; and the acquisition testing, and exploitation of foreign material to include exploitation of airshows and trade fairs.

### PRODUCTS AND SERVICES PROVIDED

Serves as the principal advisor to the FTD Commander for matters relating to collection requirements and collection systems plans and programs.

Develops plans and policies relating to FTD resource allocations. Provides for programs, budgets, and financial plans, and intelligence production schedules. Acts as a focal point for all intelligence tasking.

Serves as focal point on all foreign disclosure related matters; implements and administers FTD delegated disclosure authority.

Directs the FTD management analysis program and maintains management information systems.

Directs the operation of the Watch Team which serves as the Commander's representative during non-duty hours,

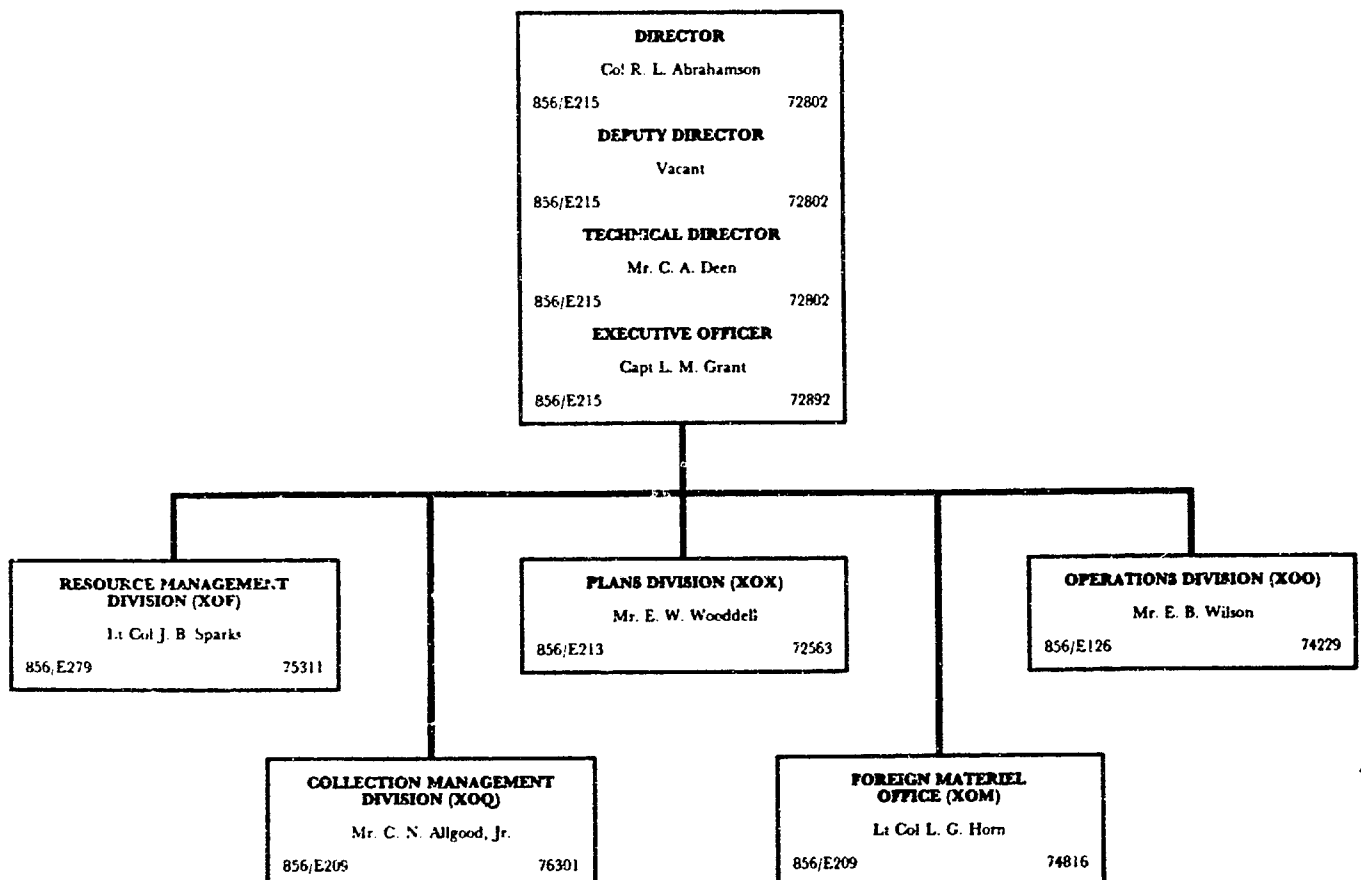
and provides current intelligence support to FTD and other locally based military organizations.

Proposes, develops and integrates FTD goals, objectives and priorities into the FTD planning process and produces all FTD plans.

Provides the interface between HQ FTD and the FTD detachments. Supports administration of FTD liaison offices.

Provides administrative staffing, monitoring and tracking of FTD support agreements and memoranda of understanding.

Directs the management of the programs exploiting foreign S&T aerospace and electronics materiel.



## RESOURCE MANAGEMENT DIVISION (XOF)

### MISSION

Manages the FTD budget, and financial plans. Serves as senior FTD financial advisor and as the single point of contact for contracting and procurement requirements. Administers the tasking requirements levied on FTD for scheduled and unscheduled production of S&T intelligence, as well as external briefings and visits to FTD by individuals and groups.

### PRODUCTS AND SERVICES PROVIDED

Serves as the focal point for the receipt, processing and scheduling of all scheduled and unscheduled tasks levied on FTD.

Interfaces with external organizations on production policy/procedures.

Provides briefing coordination services for the FTD staff.

Develops and implements production process guidance, tracking and trend analysis, and administers S&T intelligence production schedules.

Directs the FTD management analysis function.

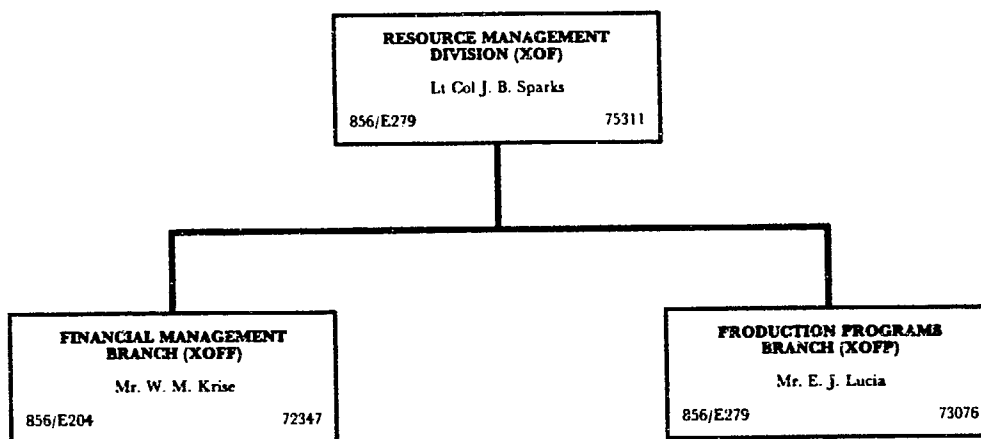
Serves as the focal point for all GAO and AFAA inspections and visits.

Administers, manages and disburses the Intelligence Contingency Fund (ICF).

Prepares budget estimate inputs.

System manager for the FTD Integrated Management Information System (IMICS).

Manages the investment procurement program and operations operating budget appropriations.



## OPERATIONS DIVISION (XOO)

### MISSION

Provides time-sensitive current intelligence services and activities. Correlates and disseminates all-source event-related data directly to analytical elements and performs time-sensitive notifications. Publishes multi-subject S&T intelligence information of immediate and direct interest to the Air Force. Provides current intelligence support to AFLC and ASD. Manages foreign disclosure policy matters for FTD and provides support to FTD Detachments and Liaison Officers.

### PRODUCTS AND SERVICES PROVIDED

Publishes the FTD Weekly Aerospace Systems Report.

Publishes special category aperiodic S&TI reports.

Prepares and presents daily all-source current intelligence briefings to the FTD Commander and staff.

Publishes the FTD Monthly All-Source Soviet and PRC Missile Launch Data Reports.

Reviews incoming messages 24 hours a day and alerts recipients of time-sensitive suspenses and activities.

Prepares and presents scheduled current intelligence briefings to Commanders and Staff of AFLC, ASD, AFALC, AFIT, and DESC. Also provides ad hoc SCI current intelligence support.

Publishes daily FTD Core Team Intelligence Summaries.

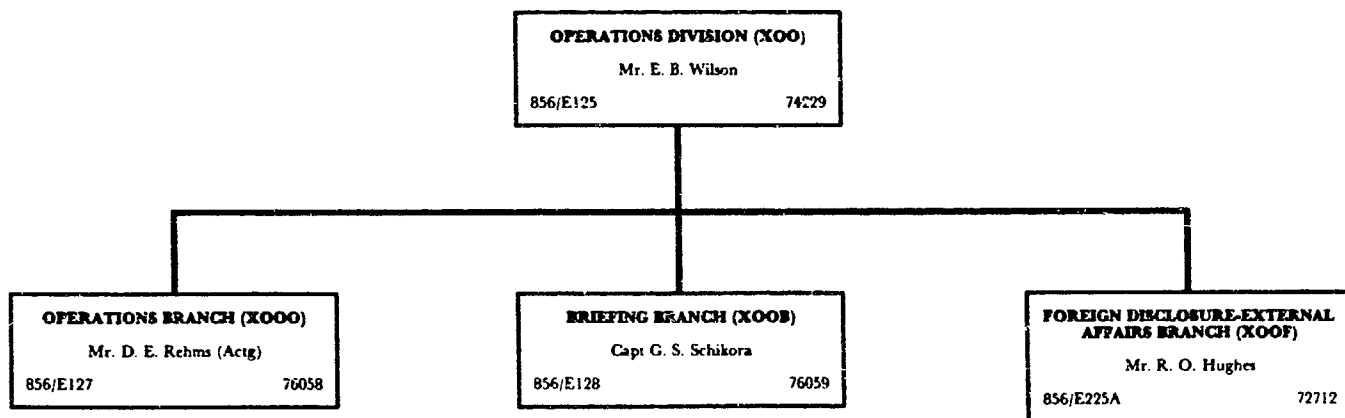
Operates all-source DACOM facsimile terminal.

Provides point-to-point teletype communications with NSA, DEFSMAC, and ADCOM/ADIC.

Serves as focal point on all foreign disclosure-related matters; implements and administers FTD-delegated disclosure authority.

Provides the interface between HQ FTD and the FTD Detachments. Supports administration of FTD Liaison Officers.

Provides administrative staffing, monitoring and tracking of FTD support agreements and memoranda of understanding.



## COLLECTION MANAGEMENT DIVISION (XOQ)

### MISSION

Manages all-source collection requirements, requirements systems, and selected Air Force sensor collection programs.

### PRODUCTS AND SERVICES PROVIDED

Consolidates and submits all formal scientific and technical intelligence collection requirements.

Manages requirements systems; the focal point for contact with national requirements systems.

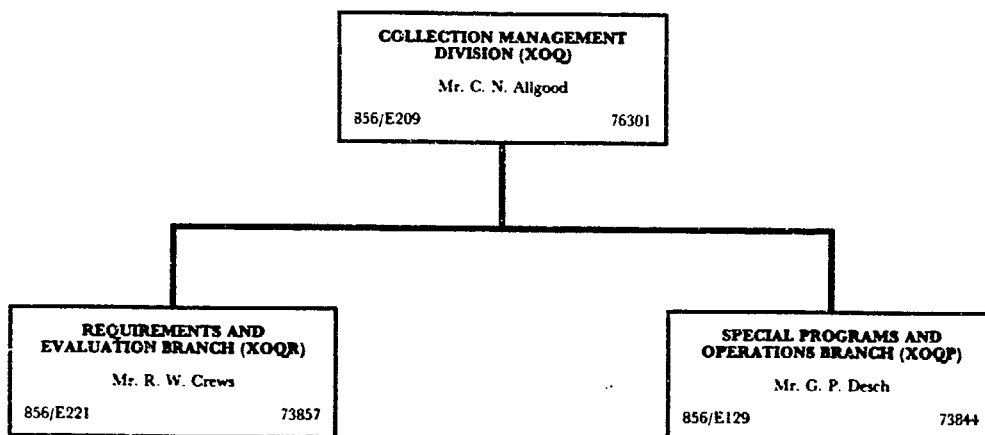
Represents FTD on national-level working groups and subcommittees as requirements interface.

Recommends the deployment and operation of selected sensor systems.

Conducts annual Intelligence Community user meetings and develops sensor plans, budgets, and programs.

Recommends new and improved sensor systems in response to validated intelligence community requirements.

As executive agent for HQ USAF, manages selected Air Force sensor collection programs and represents FTD/AF as technical sensor expert.



## PLANS AND PROGRAMMING DIVISION (XOX)

### MISSION

Serves as the planning and resource programming advisor, manager, and implementor for FTD. Proposes, develops, and integrates FTD goals, objectives, and priorities based on the analysis of near- and long-term trends, the internal-external environments and imposed conditions. Performs broad mission analysis, including consumer interface, for long-range resources and operations planning. Directs and manages the development of FTD resource program proposals for submission to higher headquarters. Tracks and monitors results and provides follow-up action.

### PRODUCTS AND SERVICES PROVIDED

Conducts research to surface issues impacting the FTD mission and serves as the Commander's Action Office for the resolution of issues validated as organizational concerns.

Collates the organizational concerns, integrates external top-down guidance, and produces the Corporate Issue Package, Composite Planning Guidance, Planning Information Memorandums, the Corporate Plan, and the Implementation Plan.

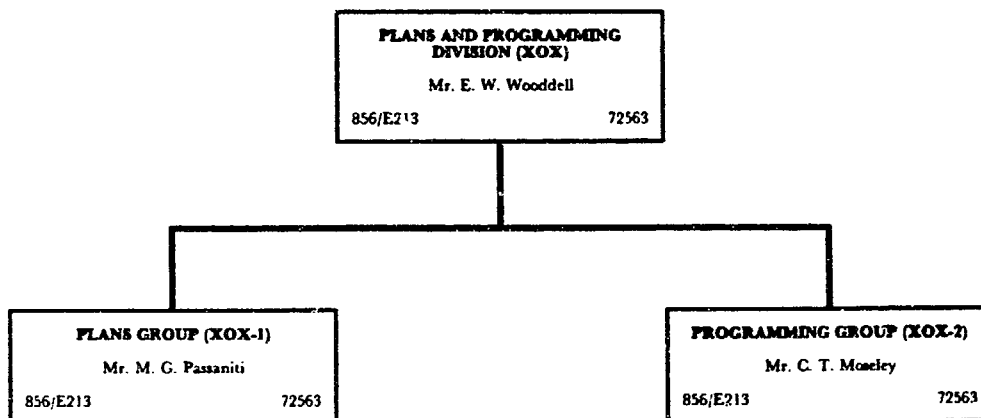
Provides FTD-wide interface, expertise, and perspective; and generates 5-year resource program proposals and manages the submissions through various decision-making channels. Insures follow-up and effective results.

Provides an interface between national/departmental planners and programmers and FTD by effecting a mutual exchange of the expertise at the various levels of government.

Performs research and analysis to develop strategies for acquiring the additional resources and advanced methodologies required to cope with evolving and new mission impacts and with changing consumer product needs.

Provides staff management follow-up actions to insure that approved initiatives are included in the annual programming cycle.

Provides executive secretariat support and administration to the FTD Priorities and Evaluation Board and to the Executive Council.



## FOREIGN MATERIEL OFFICE (XOM)

### MISSION

Acquires and processes foreign materiel for USAF organizations. Manages USAF S&T testing and exploitation on materiel acquired, the Quick Reaction Personnel program, and the exploitation of air shows and trade fairs.

### PRODUCTS AND SERVICES PROVIDED

Develops and manages the USAF Foreign Materiel Exploitation Program.

Develops and publishes the USAF Computerized Foreign Materiel Listing.

Reviews, monitors the publishing and distribution of the Foreign Electronic Tube Listing.

Develops foreign materiel acquisition plans.

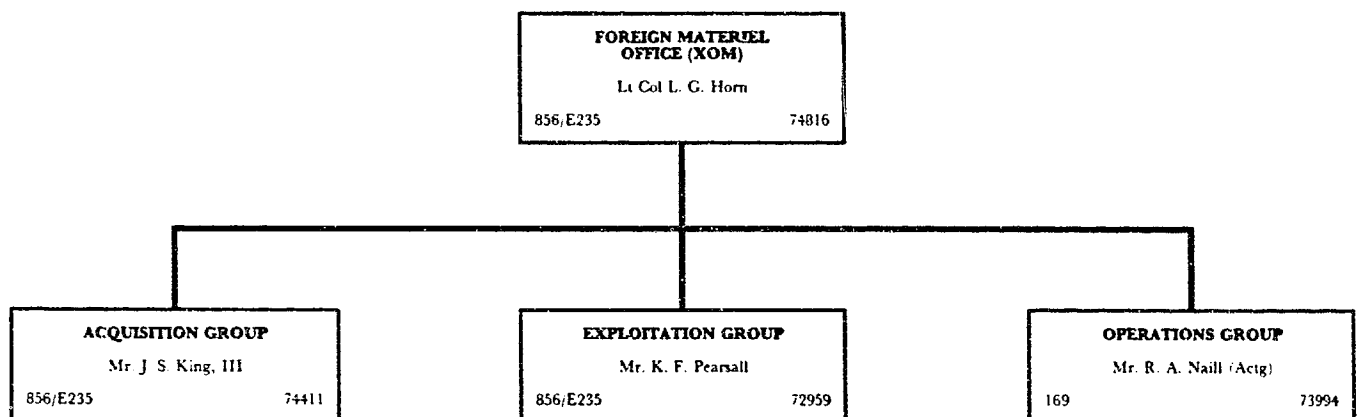
Responsible for development and procurement of foreign materiel exploitation devices.

Plans for, organizes, trains and conducts special quick reaction field operations team activities for world-wide retrieval or on-site exploitation of foreign aerospace materiel.

Assists analysts in exploiting foreign materiel.

Assembles, disassembles and stores foreign equipment.

Plans for and conducts collection actions to obtain information on foreign materiel.



## DIRECTORATE OF SYSTEMS (SD)

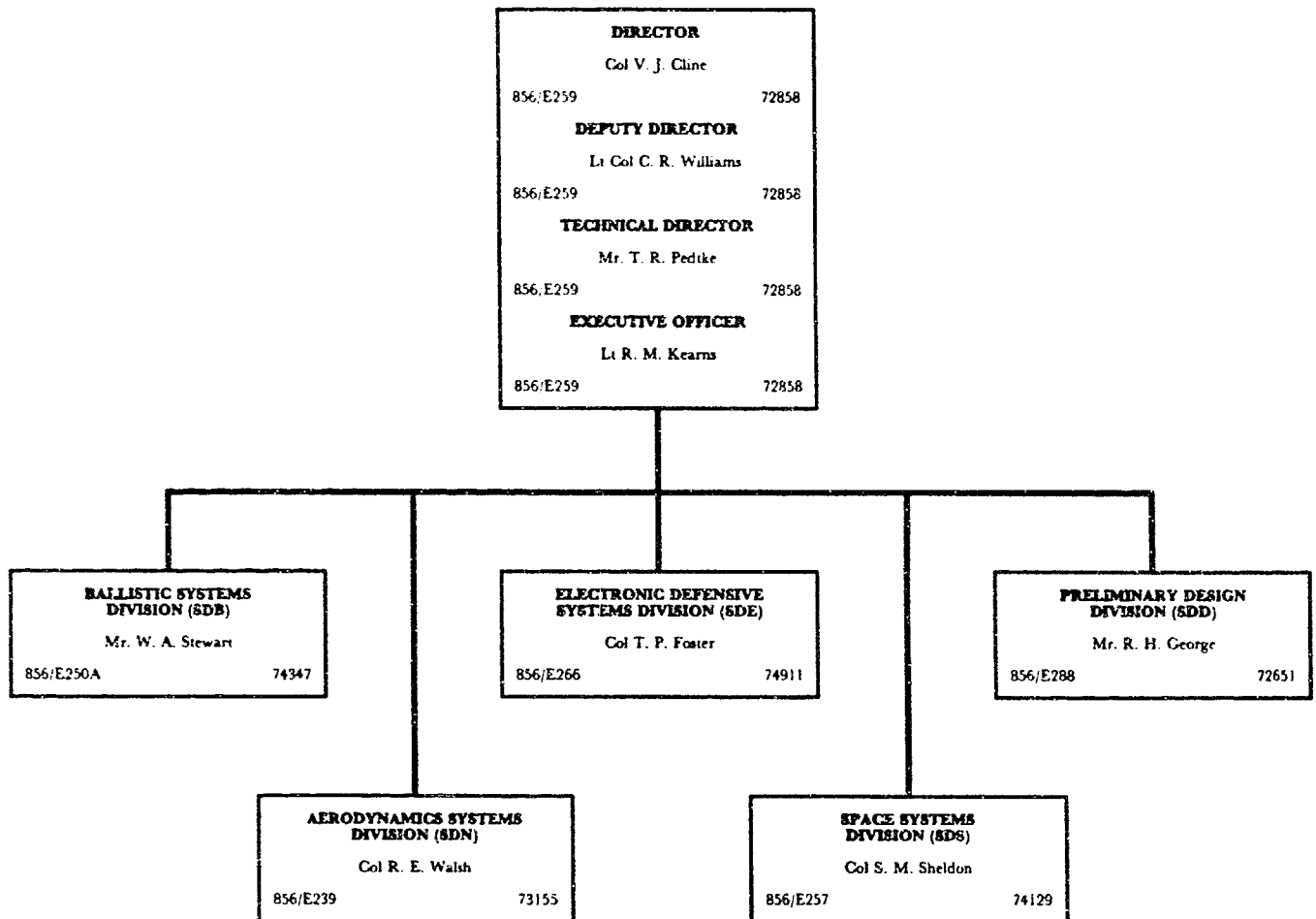
### MISSION

Plans, directs, and manages the production of S&T intelligence on the characteristics, capabilities, limitations and vulnerabilities of foreign offensive and defensive aerospace systems.

### PRODUCTS AND SERVICES PROVIDED

Directs the S&T analysis and production of all source intelligence on foreign weapon and space systems.

Directs the management of the programs exploiting foreign S&T aerospace materiel.





## BALLISTIC SYSTEMS DIVISION (SDB)

### MISSION

Plans, directs and controls the analysis and reporting of foreign ballistic missile weapon systems.

### PRODUCTS AND SERVICES PROVIDED

Provides systems analysis and finished intelligence describing the performance, threat characteristics, and operational effectiveness of existing foreign ballistic missiles.

Analyzes foreign rocket propulsion programs from the hardware development phase onward.

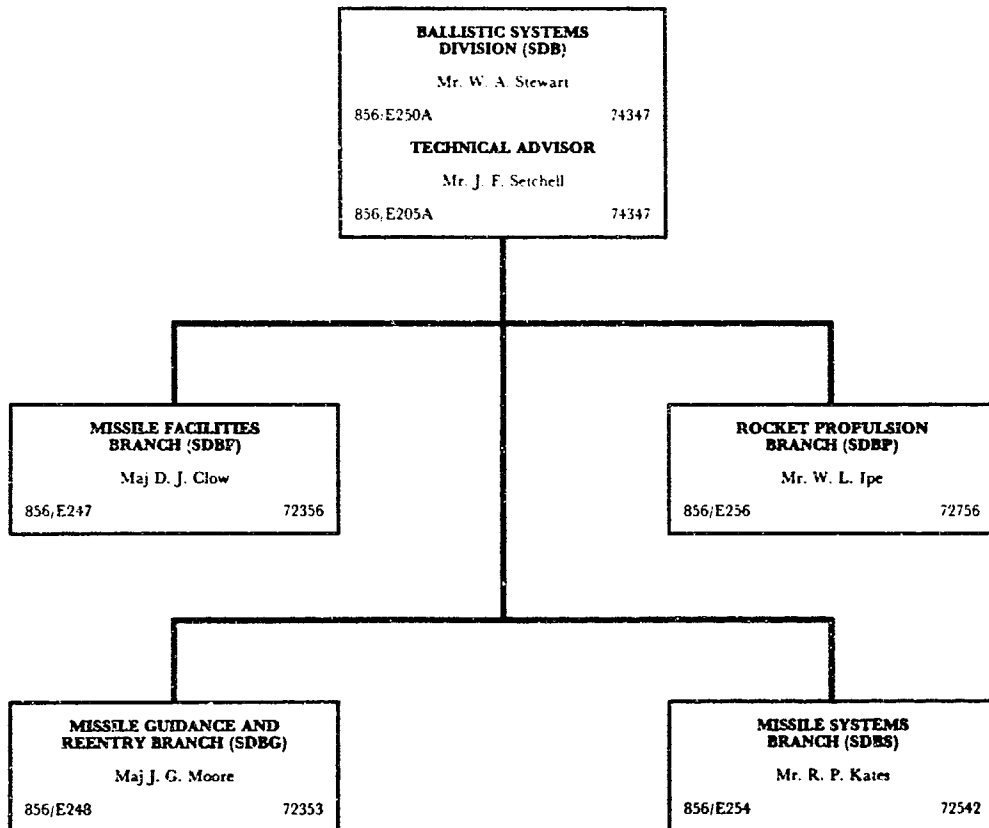
Analyzes data relating to guidance, control, post-boost, and re-entry subsystems from the hardware development phase onward. Generates mathematical models and simulations.

Analyzes data and produces finished intelligence products relating to deployed foreign ballistic missile facilities, facility vulnerability, test ranges, and instrumentation.

Provides collection evaluations and guidance for data sensors collection improvement.

Assists USAF and DIA in preparation of National Intelligence Estimates.

Provides technical support to, and FTD/USAF representation on, various committees and groups to include Strategic Arms Reduction Talks (START) and verification.



## PRELIMINARY DESIGN DIVISION (SDD)

### MISSION

Provides all-source technical intelligence analysis to determine the characteristics of foreign aerospace vehicles and provides performance evaluations for operational conditions.

### PRODUCTS AND SERVICES PROVIDED

Defines aerospace vehicle characteristics.

Participates in foreign materiel exploitations.

Defines the performance capabilities and limitations of aerospace vehicles.

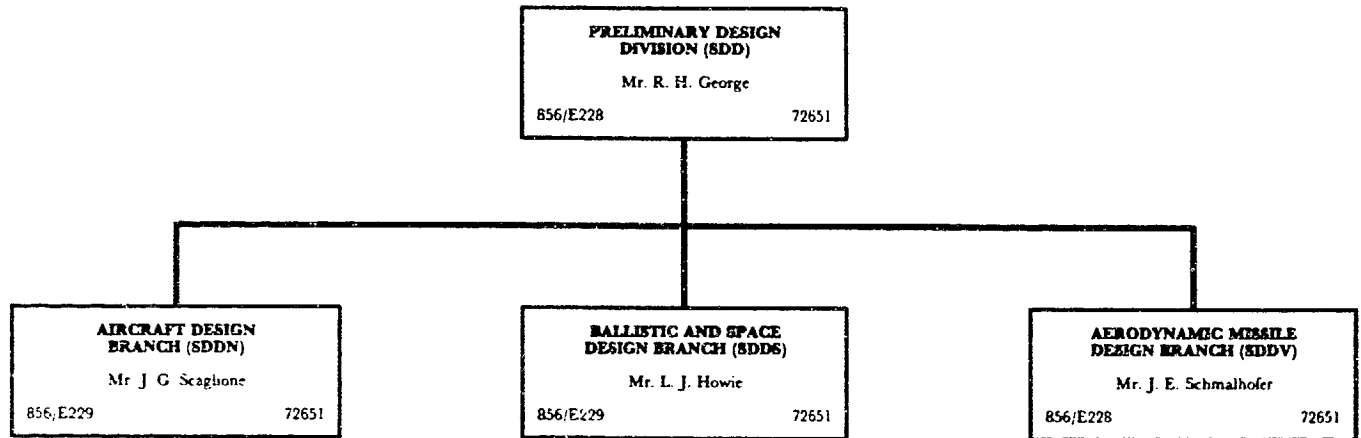
Provides quick-reaction responses in the areas of design and performance analyses.

Provides consultation on aerodynamics, mass properties estimation, structural analysis, design, performance, and sensor data integration.

Investigates the effects on vehicle assessments of various sensor mixes.

Develops analytical methods and techniques involving computer applications of aerospace engineering disciplines.

Documents analyses in formal engineering reports.



## ELECTRONIC DEFENSIVE SYSTEMS DIVISION (SDE)

### MISSION

Manages the FTD program for the analysis and reporting of technical intelligence related to operational and developmental foreign electronic defensive systems, including radar, defensive missile, countermeasure and electro-optical systems. Provides the inputs to S&T intelligence data base to support Air Force simulation validation and electronic warfare reprogramming.

### PRODUCTS AND SERVICES PROVIDED

Determines and reports the characteristics of aerospace and ground-based foreign electronic countermeasures (ECM), and electronic support measures (ESM) systems, radar reflective material and dispensers, and radar absorptive materials.

Studies and reports on foreign electro-optic systems including fire control, guidance, and surveillance; airborne reconnaissance systems including SLAR; and low energy laser systems, applications, and technology. Maintains and reports on foreign electro-optic countermeasures (active and passive) and attempts at optical concealment.

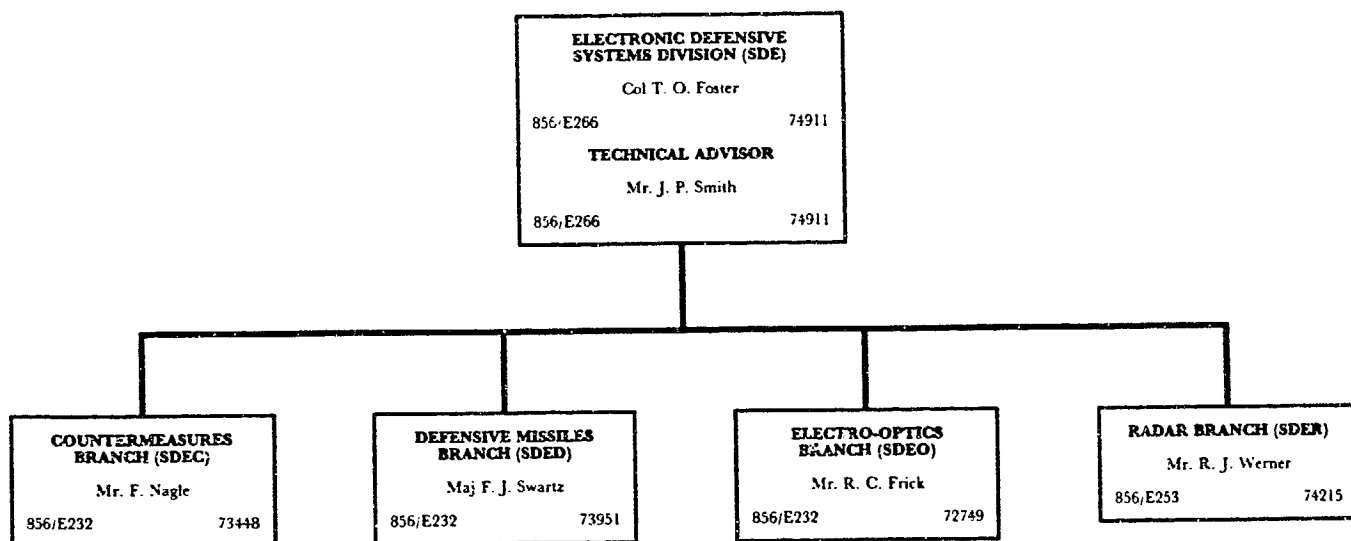
Manages the production and reporting of performance and characteristics of foreign surface-to-air/anti-ballistic missile systems and anti-aircraft artillery (AAA) fire control radar systems.

Contributes studies and trends for the National Intelligence Estimate (NIE) and Strategic Arms Reduction Talks.

Manages the production and reporting of intelligence on performance and characteristics of ground based air defense and anti-ballistic missile early warning and acquisition radar systems.

Provides technical guidance for, and technical assistance in conducting foreign material exploitation programs.

Provides inputs to Air Force Electronic Warfare simulation programs and to the Air Force Electronic Warfare Integrated Reprogramming program.



## **LOW OBSERVABLES OFFICE (SDL)**

### **MISSION**

Determine and define the threat to USAF programs. Assess expected reactions to developmental USAF weapon systems. Assess the integrated performance and characteristics of foreign aerodynamic systems.

### **PRODUCTS AND SERVICES PROVIDED**

Integrates technical intelligence information, sensor data, telemetry data, and engineering assessments into foreign aerodynamic assessments.

Provides, reviews, and approves completed threat analysis.

Provides technical guidance and evaluations of intelligence collection programs.

Prepares predicted signature characteristics of current and developmental foreign aerodynamic systems.

Analyzes signature measurement capabilities associated with test ranges.

Prepares intelligence assessments for incorporation into National Intelligence Estimates (NIEs) and specialized consumer requirements.

Assesses appropriate aerodynamic research, development, and test facilities.

**LOW OBSERVABLES  
OFFICE (SDL)**

Mr. P. E. Lathrop

828/292G

77847

## AERODYNAMIC SYSTEMS DIVISION (SDN)

### MISSION

Plans, directs, and controls the FTD aerodynamic weapons systems S&T analysis program; manages the production of S&T intelligence studies, briefings, handbooks, reports, and estimates of performance, characteristics, capabilities, limitations, and design of construction features of current foreign aerodynamic weapon systems. Provides inputs to the S&T intelligence data base to support Air Force simulation validation and electronic warfare reprogramming.

### PRODUCTS AND SERVICES PROVIDED

Integrates technical intelligence information, sensor data, telemetry data, and engineering assessments into aircraft, weapons, missile, propulsion and avionics assessments.

Coordinates and documents completed analysis by means of study contributions, engineering data packages, technical reports, and briefings.

Provides technical guidance for foreign materiel exploitation (FME) programs.

Provides analytical resources to participate in world-wide FME opportunities.

Analyzes foreign aerodynamic propulsion systems to determine expected performance and characteristics.

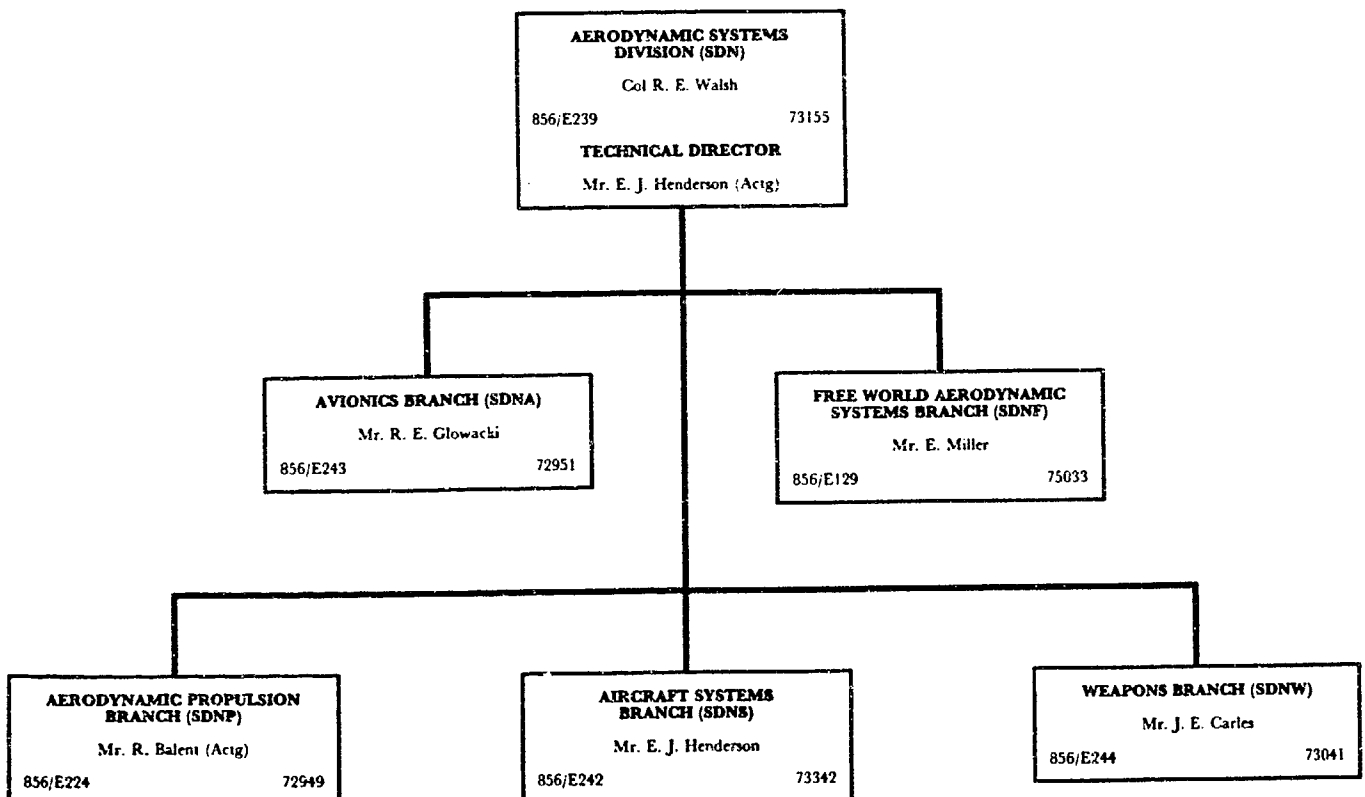
Analyzes and reports on aerodynamic events associated with R&D test ranges.

Establishes and maintains the current intelligence data base on aircraft and aerodynamic missile engines, foreign aircraft avionics systems and subsystems, and foreign aircraft and weapon subsystems.

Provides technical guidance and evaluations of intelligence collection programs.

Provides characteristic and performance inputs for current threat modeling by R&D or ordnance design organizations.

Prepares intelligence assessments for incorporation into National Intelligence Estimates (NIEs) and Defense Intelligence Projections for Planning (DIPPs).



## SPACE SYSTEMS DIVISION (SDS)

### MISSION

Formulates and controls the analysis of foreign space systems. This scientific and technical analysis determines the performance characteristics, capabilities and limitations of the systems.

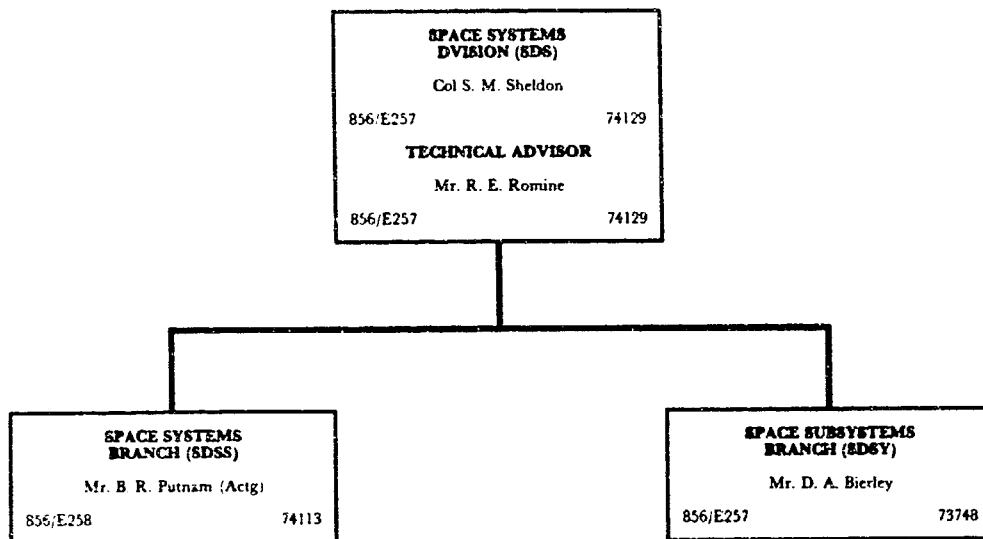
### PRODUCTS AND SERVICES PROVIDED

Assists USAF and DIA in preparation of National Intelligence Estimates.

Provides systems analysis and finished intelligence describing the performance and operational effectiveness of existing foreign space systems.

Provides technical support and USAF representation on various committees and groups including the Weapons Systems and Space Intelligence Committee (WSSIC).

Provides collection requirements and processing of intelligence data.



## DIRECTORATE OF SENSOR DATA (SQ)

### MISSION

Directs and manages the exploitation and reporting of sensor-derived intelligence information for the assessment and evaluation of foreign weapon system capabilities and technological advances.

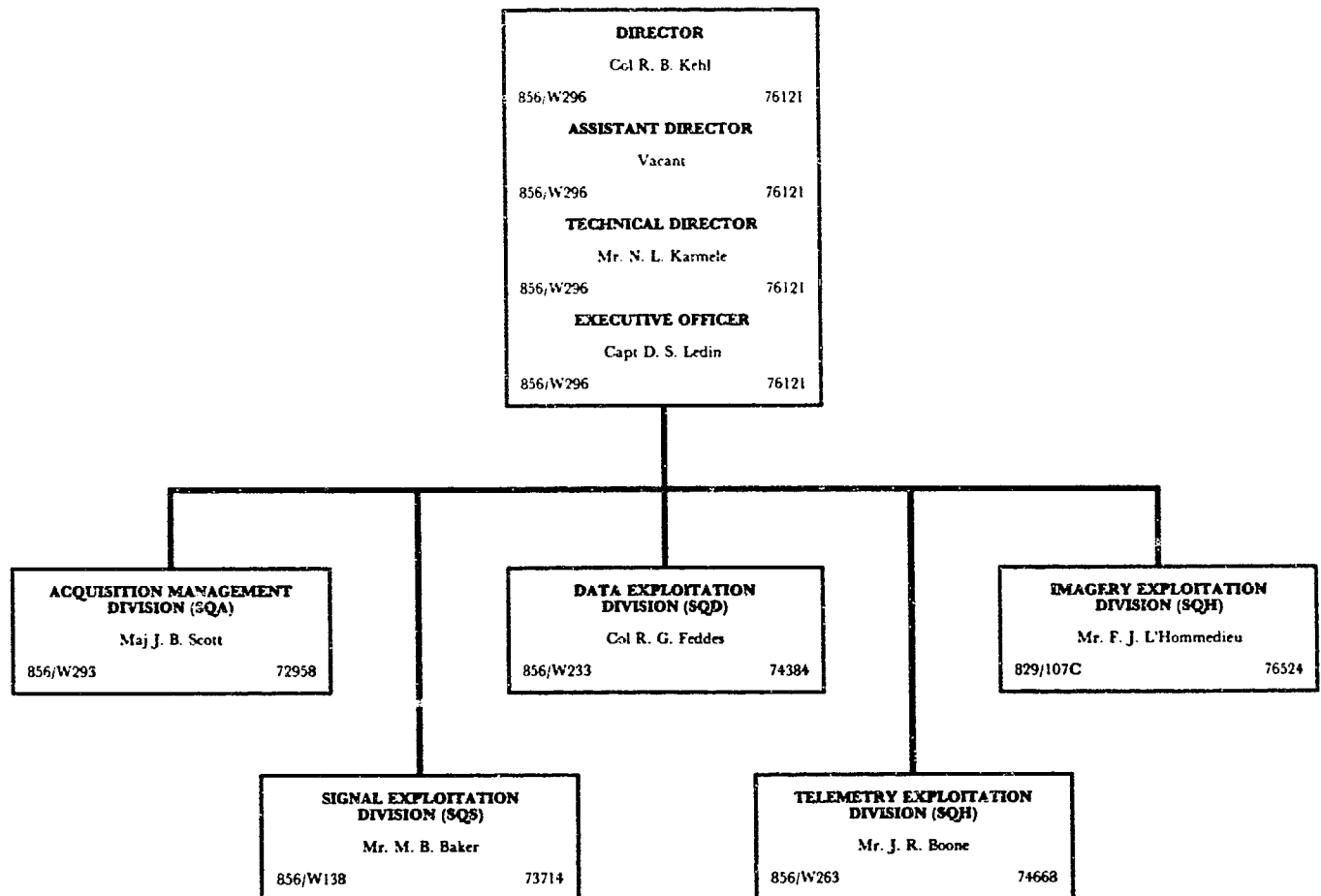
### PRODUCTS AND SERVICES PROVIDED

Manages the acquisition, processing, analysis and reporting of sensor intelligence data.

Provides technical support and guidance for the development and design of new processing and collection equipment and techniques.

Maintains analytical data bases of derived intelligence information.

Formulates programs, plans, resource requirements, budgets and production schedules.



## **ACQUISITION MANAGEMENT DIVISION (SQA)**

### **MISSION**

Directs and manages the acquisition of electronic and photographic processing equipment for the data processing laboratories of the Sensor Data Directorate.

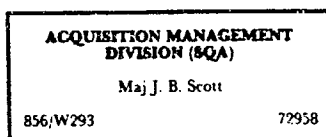
### **PRODUCTS AND SERVICES PROVIDED**

Assists laboratories in stating operational requirements.  
Translates requirements into acquisition programs.

Develops procurement documentation and monitors procurement process.

Conducts feasibility studies and economic analyses to identify alternative solutions for satisfying laboratory needs.

Manages acquisition contracts during the period of performance and conducts acceptance testing on delivered products.





## DATA EXPLOITATION DIVISION (SQD)

### MISSION

Serves as the DoD executive agent for the processing, exploitation and reporting of radar, optical, infrared and certain signal intelligence data collected by Air Force and national technical sensors. These activities support the national technical intelligence community and in-house S&T intelligence production elements.

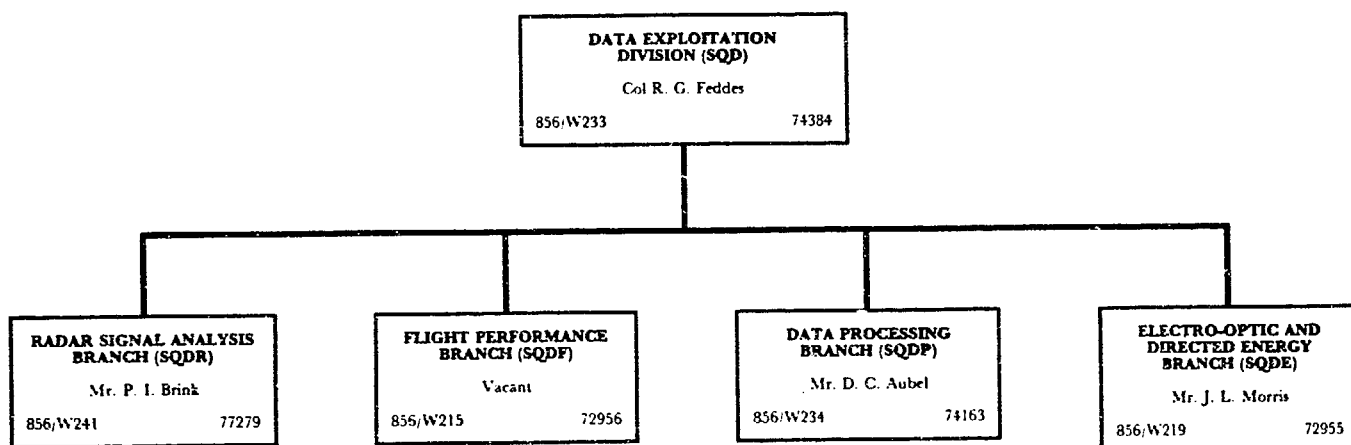
### PRODUCTS AND SERVICES PROVIDED

Manages FTD's operational interface and provides feedback and guidance to collection sites, systems and operating agencies.

Processes, interprets and analyzes sensor data from foreign aerospace weapon system R&D tests; reports on derived metric, signature and other information.

Provides technical support and guidance for the design and operation of new technical intelligence collection systems and the modification and improvement of existing systems.

Operates radar, optical and infrared data repositories for the intelligence community.



# IMAGERY EXPLOITATION DIVISION (SQH)

## MISSION

Plans and directs the S&T research, processing and analysis of multi-sensor imagery pertaining to foreign aerospace weapon systems and associated facilities. Recommends new imagery collection methodology and supports collection efforts through training, evaluation and special equipment procurement. Develops computerized photogrammetric, interpretive and data base management techniques to facilitate mission accomplishment.

## PRODUCTS AND SERVICES PROVIDED

Prepares detailed engineering drawings, briefings and photo analysis reports from imagery exploitation and the application of intelligence methods.

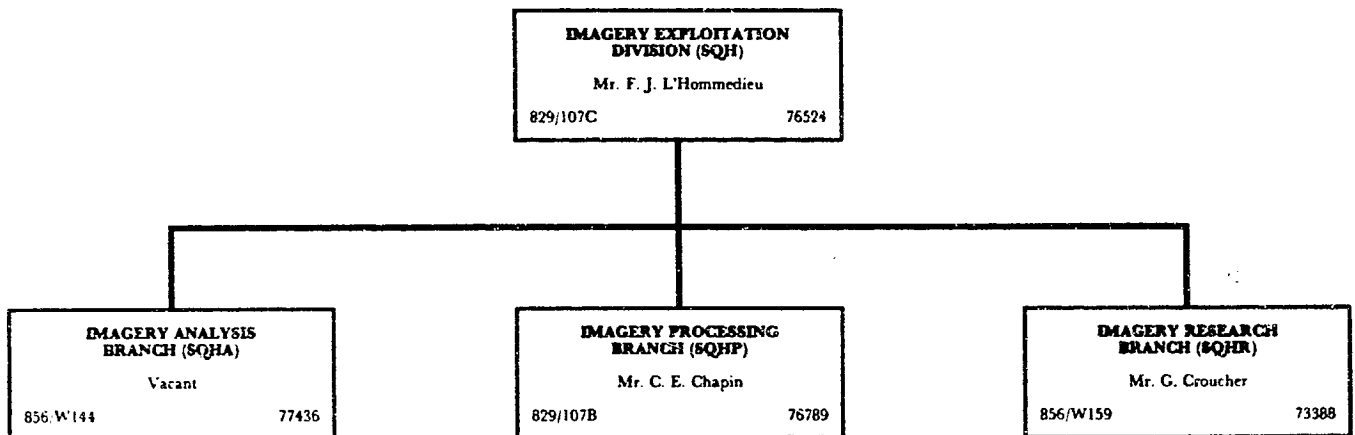
Participates in national-level S&T working groups for the analysis and exploitation of foreign aerospace weapons.

Operates a precision imagery processing laboratory and maintains an imagery data base.

Exploits incoming multisensor imagery for intelligence value.

Conducts specialized photographic intelligence collection indoctrination courses for selected DoD personnel. Provides support to the USAF foreign materiel program.

Monitors and evaluates new imagery processing, manipulation and exploitation equipment for value to and use by the division and the intelligence community.



## SIGNAL EXPLOITATION DIVISION (SQS)

### MISSION

Manages the exploitation of foreign non-communications signals (excluding telemetry). Operates and maintains computer data bases of signal characteristics. Develops, acquires and maintains signal processing techniques and equipment.

### PRODUCTS AND SERVICES PROVIDED

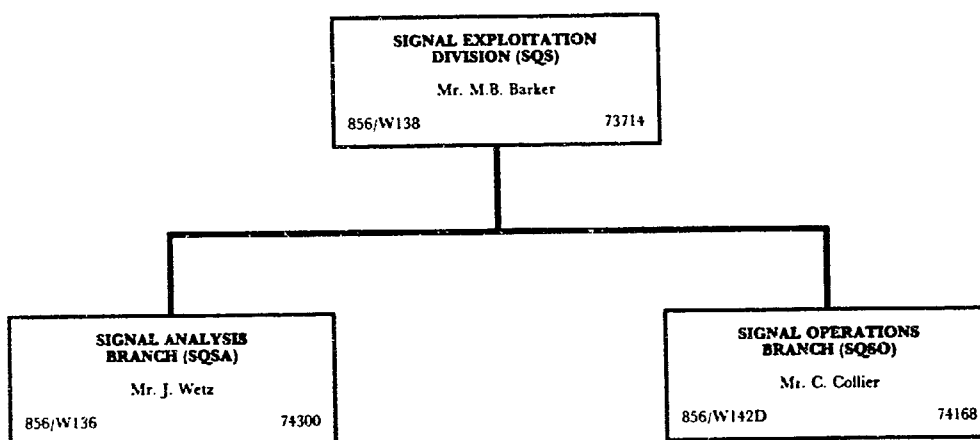
Acquires, processes, analyzes and reports scientific and technical intelligence information on signals from landbases, airborne, and space noncommunications systems and subsystems. Measures and interprets detailed technical characteristics of signals from foreign radars, IFF, navigation systems (ELINT); directed energy weapons (LASINT) and foreign command systems (FISINT). Produces technical analysis reports.

Updates technical ELINT parameter reference file (KILTING) and ELINT Parameter List (EPL)

Defines new digital and analog processing techniques requirements and develops special purpose analysis techniques. Establishes technical requirements for new processing equipment.

Maintains ELINT signal data bases.

Maintains processing equipment used by SQD, SQH, SQS, SQT and electronic equipment used by other FTD organizations.



# TELEMETRY EXPLOITATION DIVISION (SQT)

## MISSION

Manipulates, analyzes and reports on telemetry and acoustic data from foreign aerospace systems. Recommends telemetry and acoustic data collection requirements. Develops data exploitation equipment and techniques. Supervises the operation of a data repository and reference facility.

## PRODUCTS AND SERVICES PROVIDED

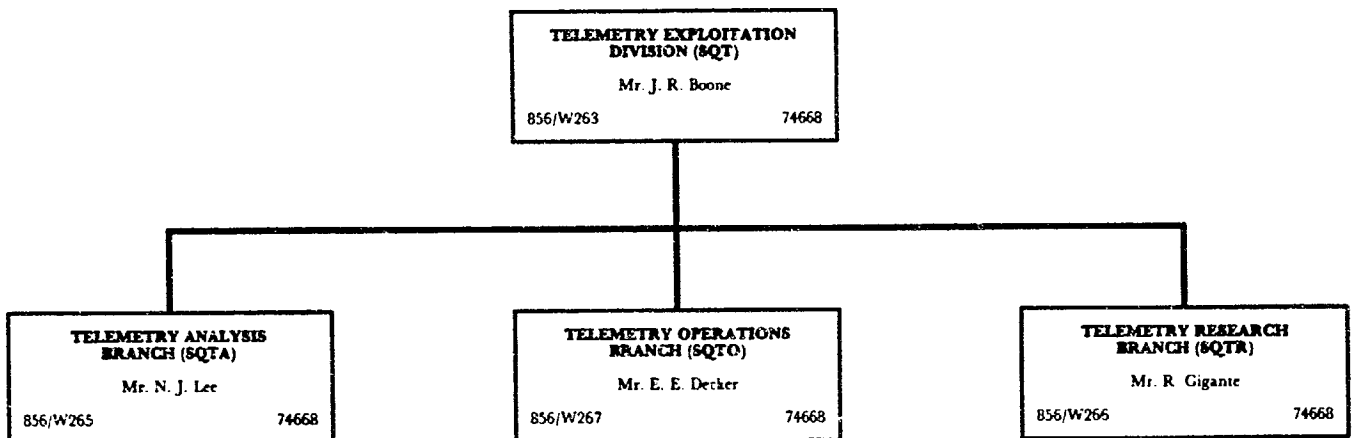
Analyzes telemetry data to support the production of finished intelligence on foreign weapon systems.

Manipulates telemetry signal information in the varied formats required for analysis of ballistic missile, aerodynamic and space systems.

Compiles and maintains a data base of telemetry and acoustic information.

Initiates data requirements for new collection efforts and provides technical guidance to improve existing telemetry and acoustic collection programs.

Participates in national-level technical working groups for the analysis and exploitation of foreign instrumentation signals.



# DIRECTORATE OF TECHNOLOGY AND THREAT (TQ)

## MISSION

Provides for scientific and technical intelligence support to USAF operational commands, AFSC field commands and laboratories, HQ USAF and DoD in following areas: technology assessments, future aerospace weapons projections; command, control, and communications studies; tailored threat information products; simulator validation; and electronic warfare.

## PRODUCTS AND SERVICES PROVIDED

Directs analysis and production of all-source intelligence on foreign technology development and application over a wide range of disciplines.

Directs the development and production of long range foreign aerospace weapon systems forecasts.

Directs the production and review of all-source intelligence products in support of US systems acquisition and development programs.

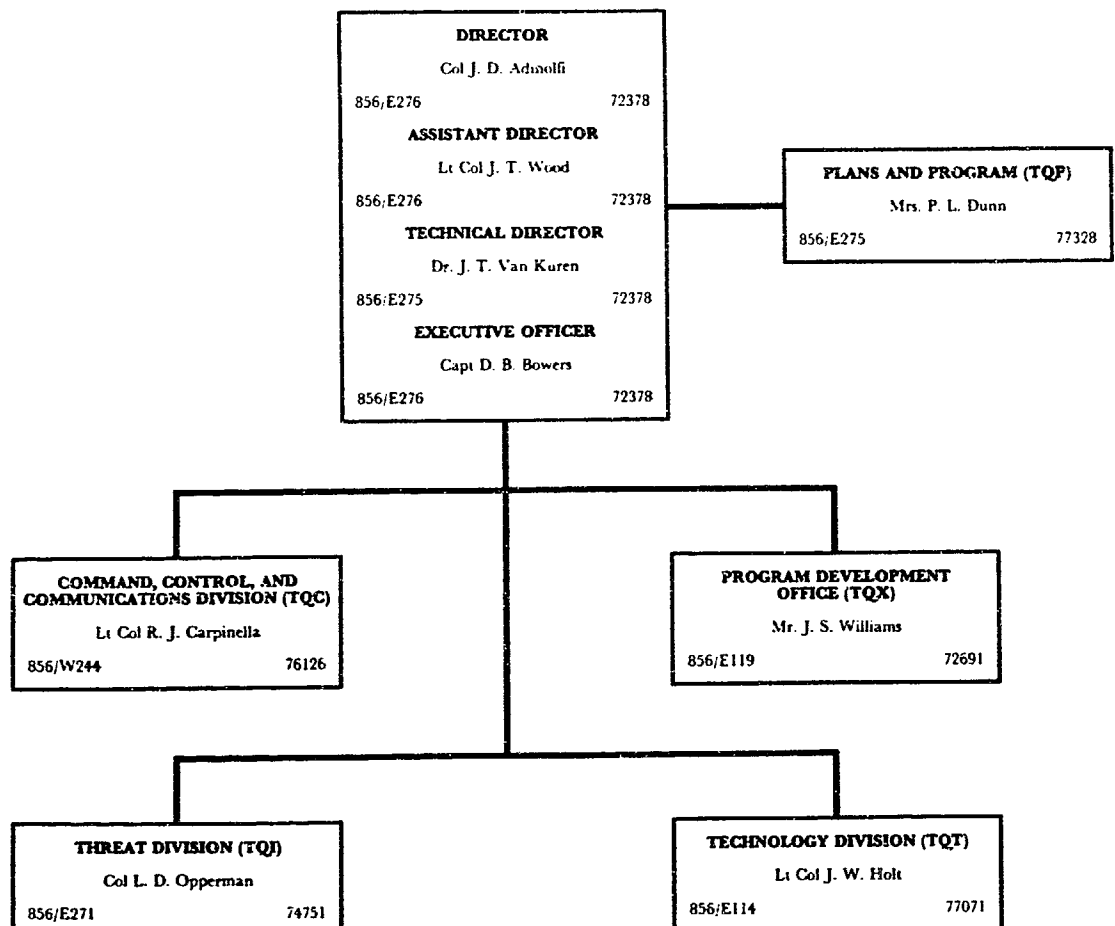
Directs the analysis and production of all-source intelligence on foreign command, control, and communications equipment and systems.

Manages the Electronic Warfare Support Program at FTD to increase the level of tailored S&T intelligence support to HQ USAF and operational commands.

Manages FTD's threat support program for the Strategic Defense Initiative (SDI). Chairs the FTD SDI Planning Working Group and the AFSC SDI Threat Steering Group.

Identifies customer requirements, defines products to satisfy requirements and develops structure to manage product development and delivery.

Directs administration of electronic warfare simulator validation (SIMVAL) and production of intelligence products to support electronic warfare integrated reprogramming (EWIR).



# COMMAND, CONTROL, AND COMMUNICATIONS DIVISION (TQC)

## MISSION

Plans, directs and controls the FTD program for the analysis and reporting of current foreign command, control, and communications (C<sup>3</sup>) systems. Develops estimates of capabilities, limitations, reliabilities and vulnerabilities of foreign C<sup>3</sup> systems. Reviews and analyzes foreign C<sup>3</sup> foreign materiel programs as directed.

## PRODUCTS AND SERVICES PROVIDED

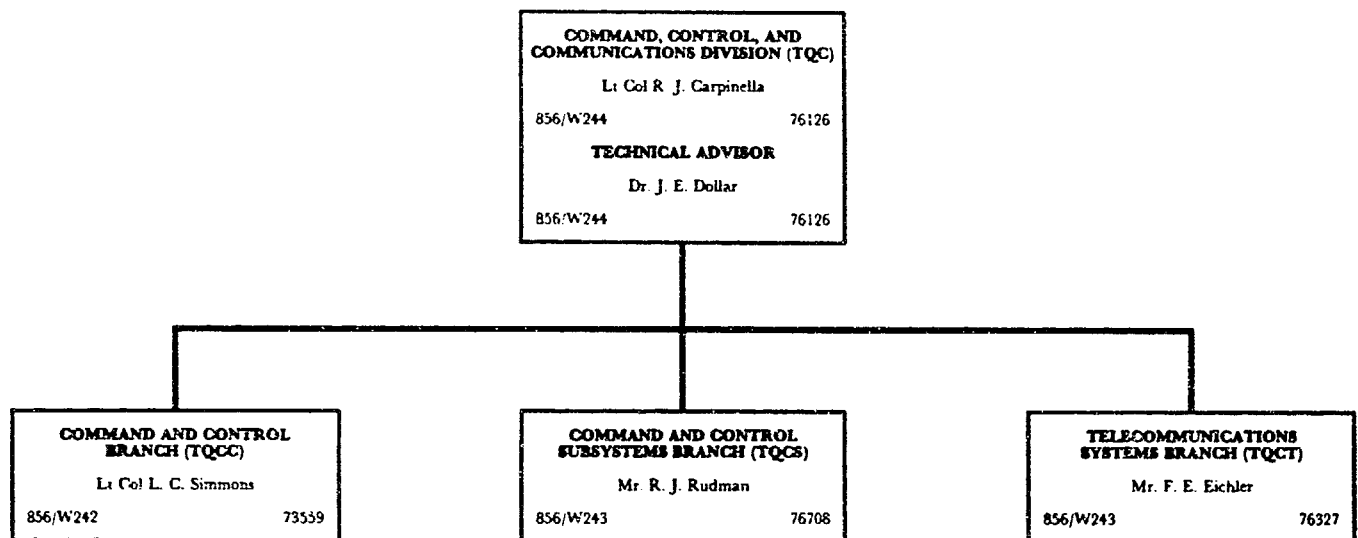
Produces AF and DoD directed C<sup>3</sup> S&T intelligence studies of the C<sup>3</sup> systems supporting foreign missile, air and air defense forces, Intelligence and Warning systems, systems of the Ministries of Defense and Communication. Provides C<sup>3</sup> data contributions to other S&T intelligence production divisions.

Serves as Executive Agent for the "red" portion of the automated C<sup>3</sup> Parametric Data Base.

Produces C<sup>3</sup> Intelligence Data Input Package (IDIPs).

Conducts and reports on exploitation of acquired foreign C<sup>3</sup> equipment.

Provides C<sup>3</sup> contributions to National Intelligence Estimates and threat packages.



## THREAT DIVISION (TQI)

### MISSION

Formulates directs and controls FTD Threat Intelligence support to HQ USAF, MAJCOMs, AFSC and its product divisions and laboratories. Prepares and reviews tailored intelligence products in support of joint and USAF system acquisition and development programs. Serves as Director of Intelligence to Commander, Aeronautical Systems Division. Also formulates procedures and controls the production of S&T intelligence related to future foreign aerospace weapon systems, including overall weapon systems performance effectiveness. Provides all-source finished, S&T intelligence to DoD USAF, MAJCOMS, AFSC and its field commands and laboratories.

### PRODUCTS AND SERVICES PROVIDED

Provides specialized threat support to HQ USAF and HQ AFSC. Reviews all USAF Statements-of-Need (SON) for intelligence content.

Provides all intelligence support to AFSC units at Wright-Patterson AFB through collocated analysts and facilities in close proximity to project offices and laboratories.

Provides tailored intelligence products and services in support of Joint Service and Air Force System Acquisition programs.

Manages Air Force Electronic Warfare Integrated Reprogramming program for operational command and system development offices.

Produces integrated System Threat Assessment Reports (STARs) in support of Aeronautical Systems Division development and acquisition programs.

Manages USAF Simulator Validation program for all electronic warfare and C<sup>3</sup> threat simulators in acquisition.

Manages Intelligence Data Input Package program in support of threat simulator development and validation.

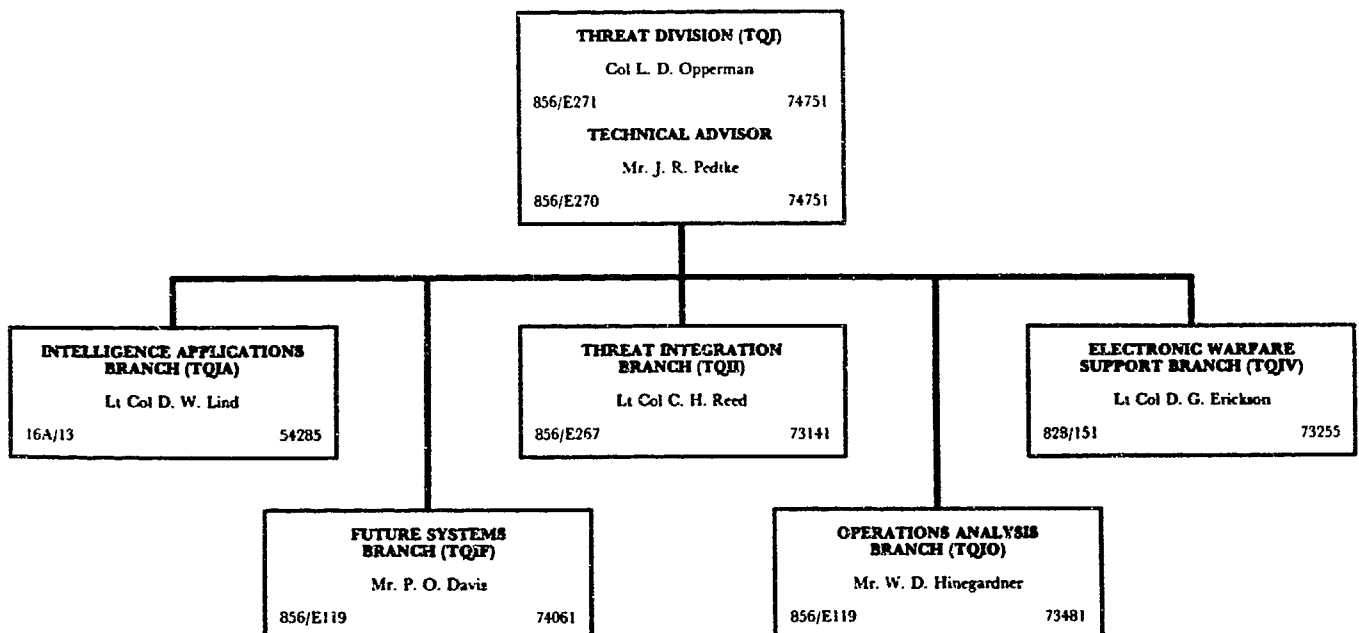
Program Manager for Electronic Warfare Intelligence Support Program at FTD.

Serves as the single point of contact within FTD for all matters concerning the production of assessment of future weapon systems performance and effectiveness. Evaluates approved intelligence and integrates it into assessments of combined forces capabilities.

Manages future weapon systems design team efforts. Assures that all factors are included in assessments of future systems.

Provides specialized support to Air Force weapon system development programs by developing integrated point designs of future Soviet threat systems which constitute the baseline threat for engagement modeling.

Reviews and evaluates tasking requirements and establishes production priorities for future aerospace weapon system intelligence publications.



## TECHNOLOGY DIVISION (TQT)

### MISSION

Plans, directs, and controls the Air Force program for assessing newly emergent foreign technical capabilities and technology transfer related to aerospace and electromagnetic systems, including human and physical resources. Provides all-source finished S&T intelligence to DoD, HQ USAF, MAJCOMs, and AFSC product divisions and laboratories.

### PRODUCTS AND SERVICES PROVIDED

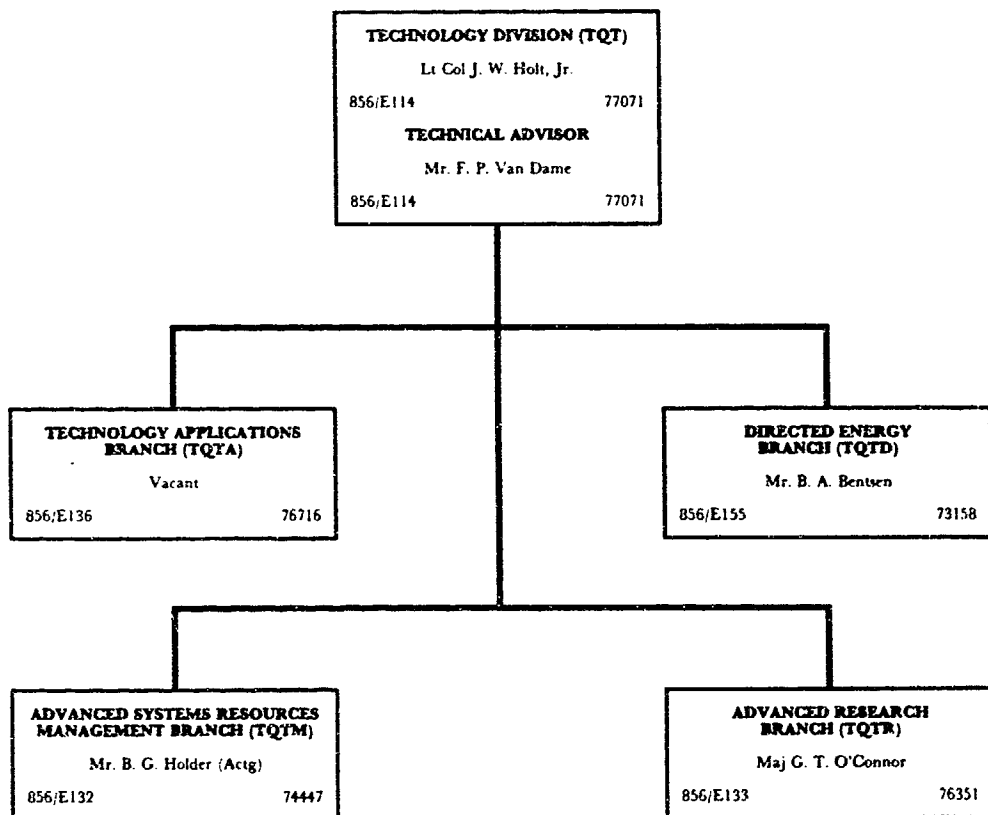
Produces AF and DoD directed S&T intelligence studies and provides tailored support to the intelligence community and AFSC product divisions and laboratories.

Develops collection requirements and participates in exploitation programs to expand the technical data base of the basic sciences, aerospace engineering, electronic engineering, advanced weapon concepts, and management of R&D.

Establishes support requirements for the data reduction needed to generate credible technologies estimates.

Supports design team efforts from the technologies standpoint to assure that all factors are included in future systems estimates.

Provides technical experts to serve as members of national intelligence committees for purposes of responding to priorities of highest interest.





## **PROGRAM DEVELOPMENT OFFICE (TQX)**

### **MISSION**

Identifies requirements, secures resources, and manages the initial product deliveries for major new acquisition programs and other initiatives needing threat management services and tailored threat support. Such programs would be of national prominence and similar in nature to the Strategic Defense Initiative and the Advanced Tactical Fighter Program. Specifically, the office would initially address the Air Defense Initiative, the National Aerospace Plane, Dispersed Sparse Array of Spacecraft, High Power Microwave weapons and other initiatives from Project Forecast II. The office would provide the foundation for and/or become the DoD, Air Force, or AFSC threat manager for candidate programs.

### **PRODUCTS AND SERVICES PROVIDED**

Directs identification of threat requirements for major new acquisition programs and other initiatives. Defines/identifies services and products satisfying these requirements.

Estimates resources required for products and services; negotiates resources available within/outside FTD, adjusts products to match resources.

Develops and executes management structure within FTD to support required product deliveries.

Identifies and develops obligation vehicles to provide external support; establishes integrated support/delivery schedule; manages and is responsible for initial product deliveries.

Prepares turnover and transition plans for moving programs to established FTD office.

#### **PROGRAM DEVELOPMENT OFFICE (TQX)**

Mr. J. S. Williams

856/E119

72691

## SECURITY OFFICE (SP)

### MISSION

Serves as the principal staff advisor to the Commander for all matters relating to administrative, personnel, physical and special security. Acts as the Wright-Patterson AFB Special Security Office (SSO). Responsible for initiating and implementing security policy.

### PRODUCTS AND SERVICES PROVIDED

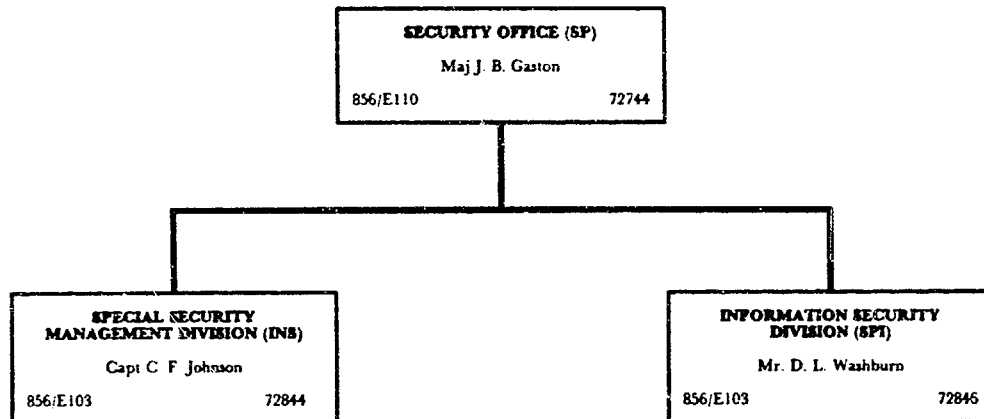
Provides security liaison with resident and external contracting agencies.

Provides special security support to all units at Wright-Patterson AFB.

Manages the FTD Sensitive Compartmented Information (SCI) Program.

Serves as the principal advisor on all security matters.

Provides special access program support



## **SPECIAL SECURITY MANAGEMENT DIVISION (INS)**

### **MISSION**

Manages personnel aspects of the Sensitive Compartmented Information (SCI) program for assigned and attached units at Wright-Patterson Air Force Base. Serves as interface between 2046 Communications Group and FTD for record communications support.

### **PRODUCTS AND SERVICES PROVIDED**

Responsible for the operation of the Consolidated Special Security Communications Systems (DSSCS) and General Service (GENSER) Telecommunication Center.

Manages and administers the SCI Security Control Center. Acts as the exclusive control point for the security, receipt, control, storage, dissemination and dispatch of all hard copy SCI through ARFCOS. Issues courier authorizations.

Manages the Personnel Security Clearance Program. Initiates requests for investigation, maintains and produces access rosters.

Manages and administers the FTD controlled area badges.

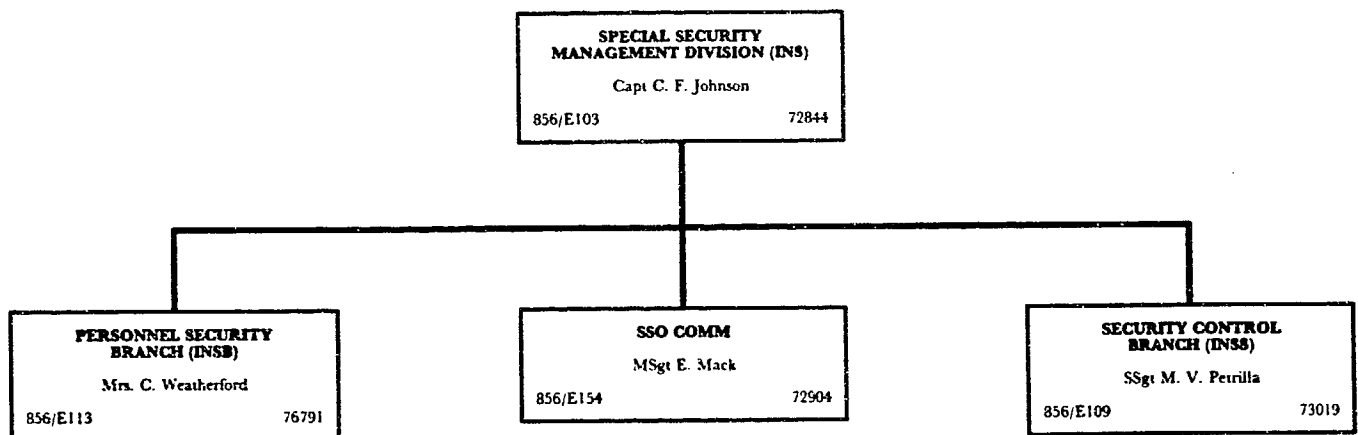
Manages and administers the SCI contractor release program.

Directs the visitor control program. Transmits and receives SCI access, maintains listing of all visitors and provides visitor control guidance.

Manages and administers the SCI decompartmentation and sanitization programs.

Indoctrinates and debriefs personnel for SCI access and other special access programs.

Manages the Industrial Security Program, including the release of collateral classified information to contractors.



# **INFORMATION SECURITY DIVISION (SPI)**

## **MISSION**

Develops and manages the information, computer, physical, and industrial security programs.

## **PRODUCTS AND SERVICES PROVIDED**

Manages and implements the Information Security Program and the information and physical security portions of the Sensitive Compartmented Information programs.

Manages the Resources Protection and Physical Security Programs. Directs the Personnel Circulation Control and Sensitive Compartmented Information Facility (SCIF)/ Non-SCIF Security Operations Programs.

Prepares and maintains SCIF preconstruction and final construction facility check lists for FTD and designated contractor facilities.

Manages the compartmented and noncompartmented Computer Security Program.

Conducts the Classification Management Program. Provides security inputs to classified intelligence operational plans and to the FTD Supplement to the AFSC War Mobilization Plan.

Directs the semiannual security self-inspection program and the SP annual information security program review. Investigates/reports security incidents.

Administers the security education program for both collateral and SCI programs.

Serves as Office of Primary Responsibility for Operations Security. Provides OSI and Base Security Police liaison.

### **INFORMATION SECURITY DIVISION (SPI)**

Mr. D. L. Washburn

856/E103

72846

## **METEOROLOGY (WE)**

### **MISSION**

Provides consultation and assistance in the atmospheric sciences to FTD offices engaged in foreign technology

### **PRODUCTS AND SERVICES PROVIDED**

Provides S&T analysis and production of source intelligence on foreign meteorology capabilities and equipment.

Analyzes foreign environmental research and development and resulting weather forecasting expertise.

Analyzes data and produces finished intelligence studies relating to environmental warfare.

